



## **Corridor Program**

Congestion Relief & Bus Rapid Transit Projects

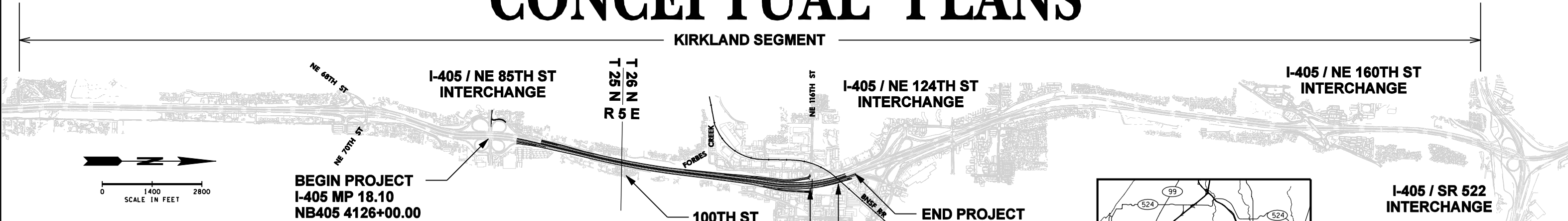
# **APPENDIX M1**

## **Conceptual Plans**

**I-405, SR520 to SR522 Stage 1  
(Kirkland Stage 1)**

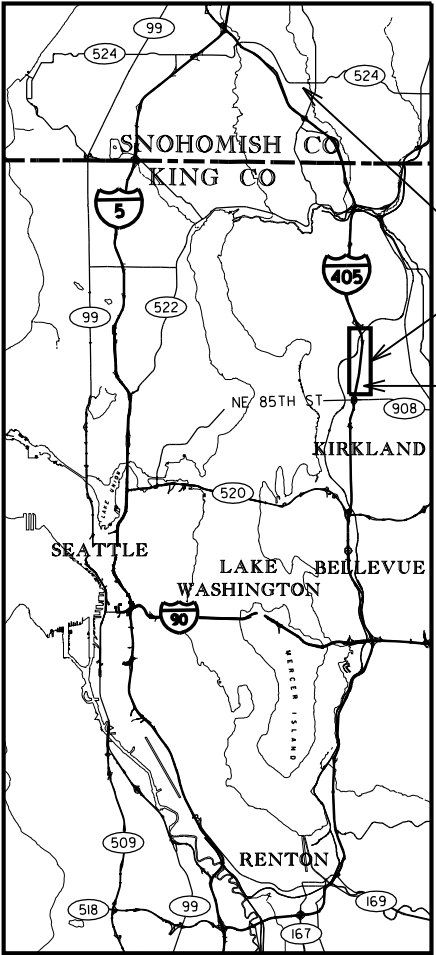
**Request For Proposal**  
July 15, 2005

I-405  
SR 520 TO SR 522  
STAGE 1  
CONCEPTUAL PLANS



STAGE 1 INDEX

SHEET NO.	PLAN REFERENCE NO.	TITLE
1	T1	TITLE, INDEX & VICINITY MAP
2	T2	GENERAL NOTES AND LEGEND
3	RS1	ROADWAY SECTIONS
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THRASHERS CORNER  
WETLAND MITIGATION SITE

PROJECT  
LOCATION

FORBES LAKE WETLAND  
MITIGATION SITE

JULY 15, 2005

RFP  
CONCEPTUAL PLANS

FILE NAME PW:\Engineering\003\drawings\sheets\3ps158a250z_t001_stg1.dgn				REGION NO. 10		STATE WASH		FED.AID PROJ.NO.		DATE		P.E. STAMP BOX		DATE		INTERSTATE 405 Project Team		I - 405 SR 520 TO SR 522		T-1	
TIME 11:05:19 AM				JOB NUMBER																	
DATE 7/13/2005				CONTRACT NO.				LOCATION NO.													
PLOTTED BY chriss																					
DESIGNED BY C. SAXE																					
ENTERED BY C. SAXE																					
CHECKED BY W. TAYLOR																					
PROJ. ENGR. K. HENRY																					
REGIONAL ADM. D. DYE				REVISION		DATE		BY										STAGE 1		SHEET 1 OF 80 SHEETS	
																		TITLE, INDEX & VICINITY MAP			

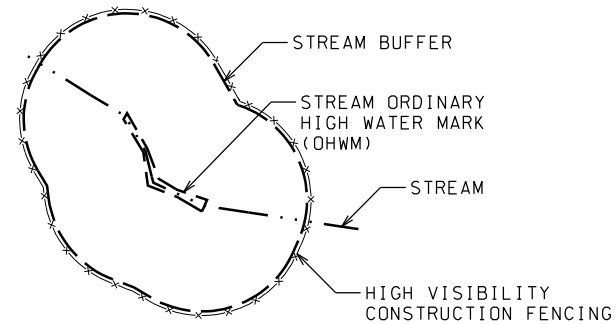


ROADWAY PLAN LEGEND

	PROPOSED RETAINING WALL		STREAM/DITCH LINE
	EXISTING RETAINING WALL		EROSION HAZARD
	PROPOSED NOISE WALL		CUT SLOPE
	EXISTING NOISE WALL		FILL SLOPE
	HIGH VISIBILITY CONSTRUCTION FENCING		IMPACT AREA LINE

ENVIRONMENTALLY SENSITIVE AREA LEGEND:

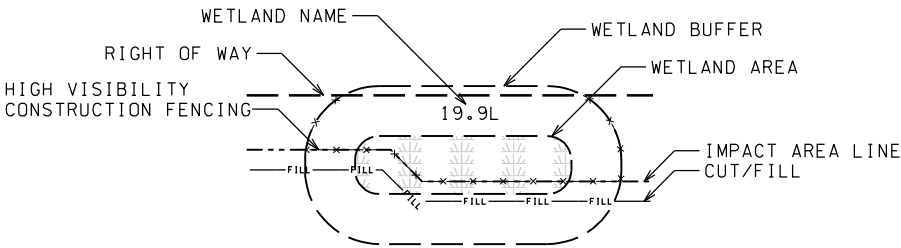
STREAM LEGEND:



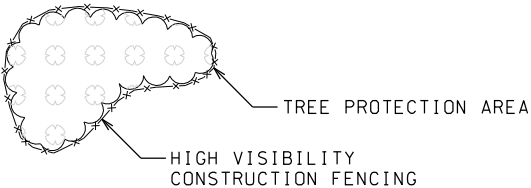
DRAINAGE LEGEND:

	- ECOLOGY EMBANKMENT
	-ST- - PROPOSED CONVEYANCE
	->- - PROPOSED DITCH
	== - PROPOSED CULVERT
	----- - EXISTING CULVERT
	-----> - EXISTING DITCH

WETLAND LEGEND:



TREE PROTECTION LEGEND:



GENERAL NOTES:

1. THE CONCEPTUAL PLANS ARE FOR REFERENCE ONLY -- NOT FOR CONSTRUCTION.
2. THE INFORMATION CONTAINED IN CONCEPTUAL PLANS IS NOT A COMPLETE DESIGN. THE DESIGN HAS BEEN DEVELOPED TO ESTABLISH CONSTRUCTION FEASIBILITY AND PROVIDE BASE DOCUMENTS FOR DESIGN-BUILD TEAMS TO DEVELOP PROPOSALS. MANY DESIGN ELEMENTS ARE NOT INCLUDED IN THE CONCEPTUAL PLANS (GUARDRAIL, CONCRETE BARRIER, ETC), BUT ARE INCLUDED IN THE PROJECT SCOPE OF WORK. THE DESIGN-BUILDER WILL BE RESPONSIBLE FOR A COMPLETE DESIGN AND FINISHED PRODUCT AS SPECIFIED IN THE CONTRACT DOCUMENTS.
3. IF THERE IS A CONFLICT BETWEEN THE CONCEPTUAL PLANS AND THE CONTRACT DOCUMENTS, THE CONTRACT DOCUMENTS SHALL GOVERN.
4. ALL ENVIRONMENTALLY SENSITIVE AREAS MUST BE FENCED WITH HIGH VISIBILITY CONSTRUCTION FENCING SET OUTSIDE OF THE BUFFER ZONE, OR DEPICTED AREA -- SEE WETLAND LEGEND. ALL ENVIRONMENTALLY SENSITIVE AREA INFORMATION WILL BE PROVIDED TO THE DESIGN-BUILDER ELECTRONICALLY IN MICROSTATION DESIGN FILES. HIGH VISIBILITY CONSTRUCTION FENCING SHALL BE SET BY FIELD SURVEYING POINTS TAKEN FROM THE SHAPES DEPICTED IN MICROSTATION FILES.
5. PAVEMENT WIDENING REQUIRES REMOVAL OF THE EXISTING SHOULDER PAVEMENT. PAVEMENT TO BE RECONSTRUCTED AND PAVEMENT TO BE WIDENED HAS BEEN DEPICTED SEPARATELY ON THE CONCEPTUAL PLANS TO ASSIST WITH THE DEVELOPMENT OF ENVIRONMENTAL DOCUMENTS.
6. THE SOUND TRANSIT TOTEM LAKE/NE 128TH STREET HOV DIRECT ACCESS/FREEWAY STATION PROJECT WILL BE UNDER CONSTRUCTION CONCURRENT WITH THIS PROJECT. THE EXISTING TOPOGRAPHY SHOWN ON THESE CONCEPTUAL PLANS HAS BEEN MODIFIED (NORTH OF THE BNSF R/R BRIDGES) TO INCLUDE THE FULLY CONSTRUCTED TOTEM LAKE FREEWAY STATION PROJECT BY PASTING THAT ELECTRONIC DESIGN FILE INTO THE TOPOGRAPHIC FILE.

ENVIRONMENTALLY SENSITIVE NOTES

1. DESIGN FOOTPRINT (CUT/FILL LINE): THE DESIGN CUT/FILL LINE ESTABLISHED BY THE PROPOSED ROADWAY PRISM AND DRAINAGE FEATURES (VAULTS, PONDS ETC.).
2. IMPACT AREA LINE: GENERALLY A PARALLEL OFFSET OF 10 FEET TO THE SMOOTHED CUT/FILL LINE, OR AS SHOWN ON THE CONCEPTUAL PLANS. THE IMPACT AREA LINE WAS USED TO ESTABLISH ENVIRONMENTAL IMPACTS, MITIGATION AREAS AND TOTAL DISTURBED (CLEAR AND GRUB) ACREAGE.
3. THE DESIGN-BUILDER SHALL ERECT TEMPORARY HIGH VISIBILITY CONSTRUCTION FENCING AROUND THE PERIMETER OF EACH ENVIRONMENTALLY SENSITIVE AREA AS BOUNDED BY THE WSDOT RIGHT-OF-WAY AND THE IMPACT AREA LINE - AS DEPICTED ON THE CONCEPTUAL PLANS. NO WORK SHALL BE ALLOWED WITHIN THESE FENCED AREAS.

SIGNING PLAN LEGEND


	NEW SIGN OR EXISTING SIGN TO REMAIN		EXISTING SIGN & POSTS
	SIGN REMOVAL		NEW SIGN & POSTS
	EXISTING LOCATION		EXISTING SIGN BRIDGE STRUCTURE
	SIGN RELOCATION		NEW SIGN BRIDGE STRUCTURE
	NEW SIGN LOCATION		EXISTING CANTILEVER SIGN STRUCTURE
	EXISTING SIGN & POST		NEW CANTILEVER SIGN STRUCTURE
	NEW SIGN & POST		

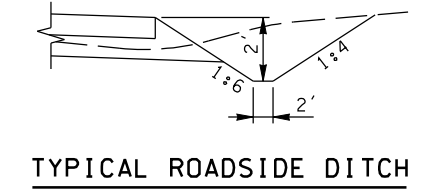
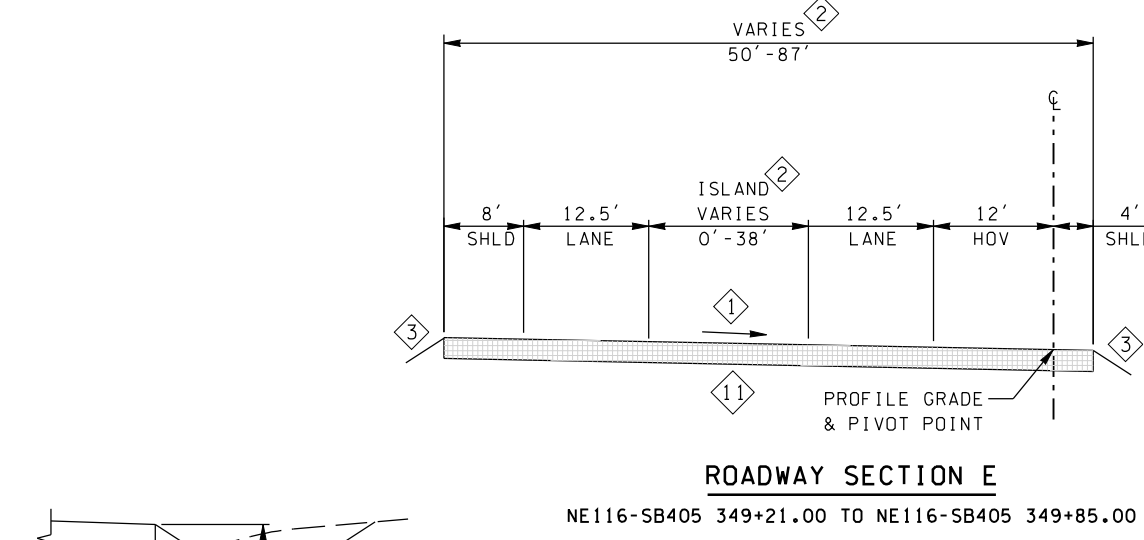
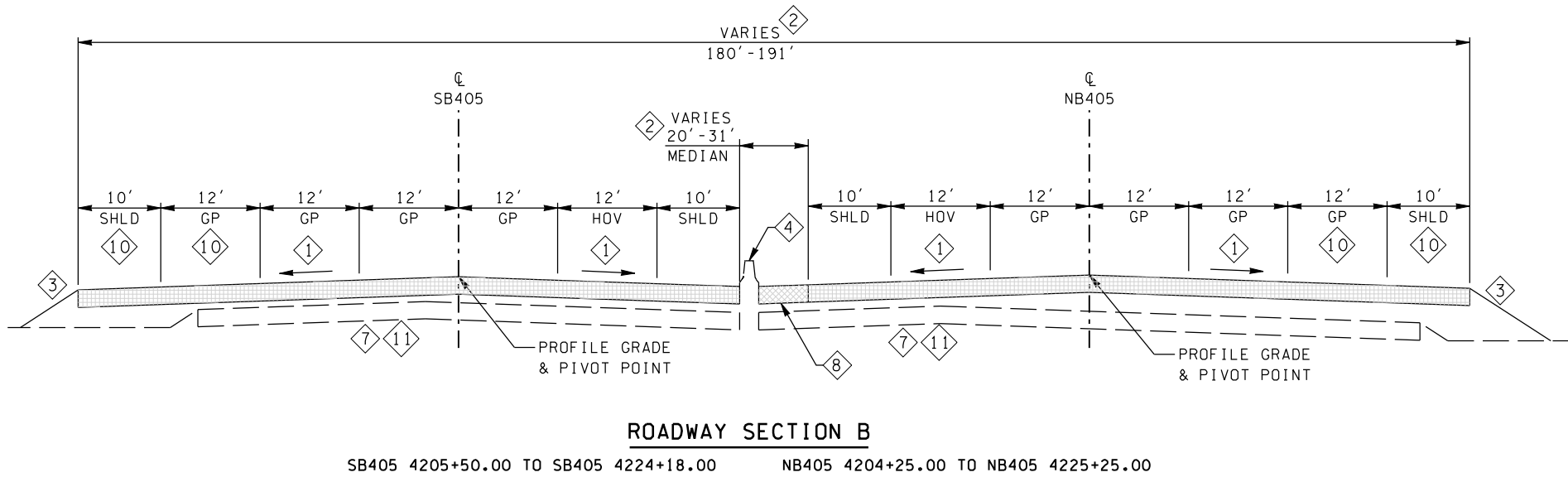
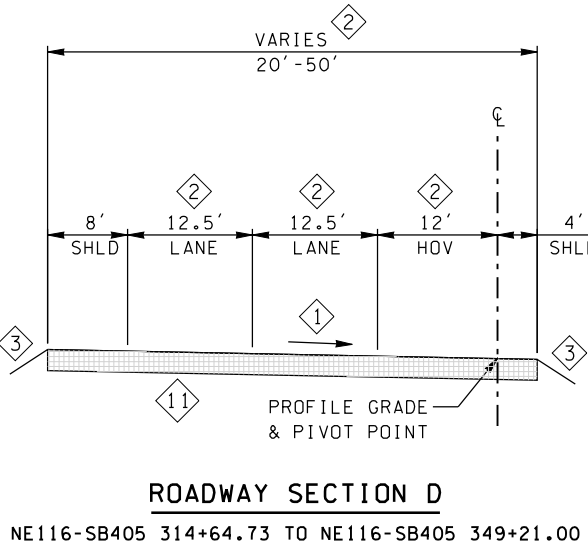
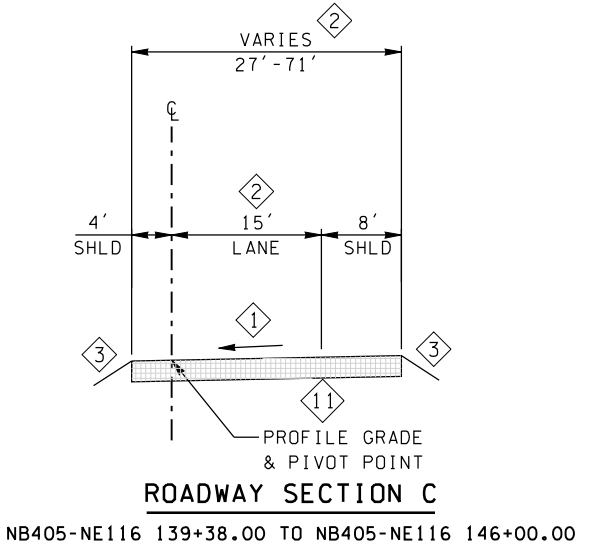
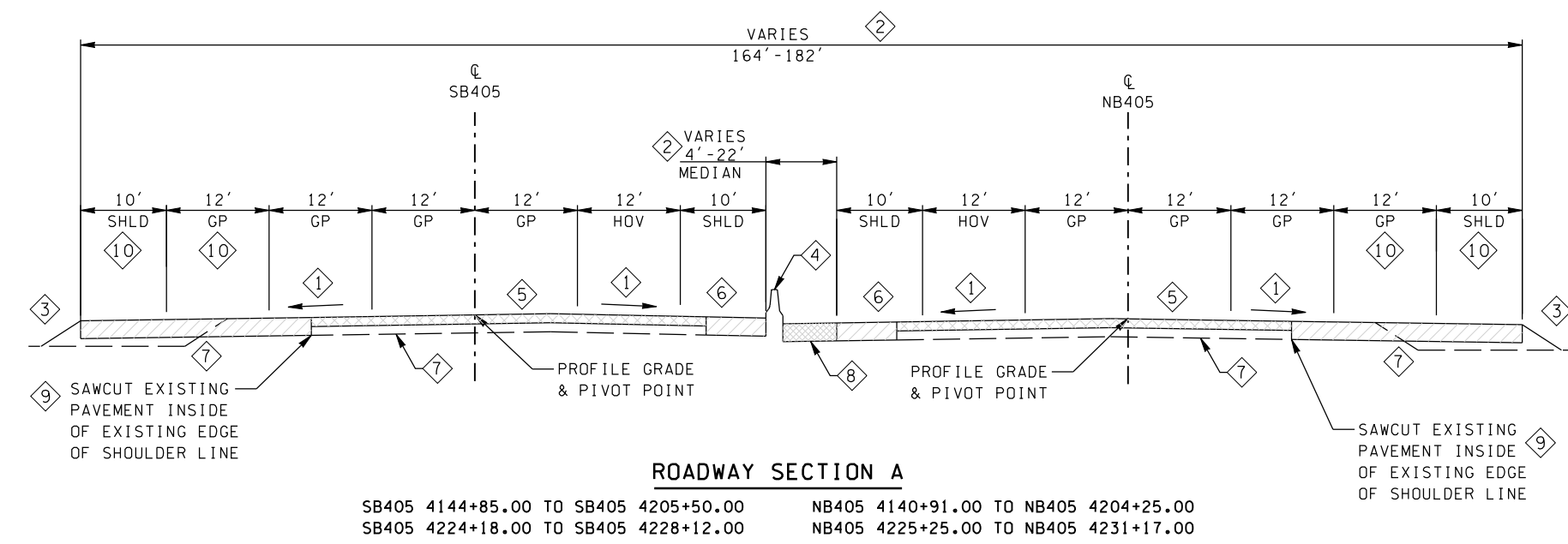
SIGNING PLAN NOTES:

1. ALL SIGN LOCATIONS SHOWN ARE APPROXIMATE. EXACT LOCATIONS SHALL BE DETERMINED BY THE DESIGN-BUILDER IN CONSULTATION WITH WSDOT.
2. RELOCATED SIGN PANELS SHALL BE MOUNTED TO NEW SIGN POSTS OR SIGN STRUCTURES. EXISTING SIGN POSTS SHALL NOT BE RE-USED.
3. ALL EXISTING GUIDE SIGNS ARE TO REMAIN UNLESS OTHERWISE NOTED OR REQUIRED TO BE RELOCATED FOR CONSTRUCTION.
4. REGULATORY, WARNING AND MARKER SIGNS ARE NOT SHOWN FOR CLARITY. ALL REGULATORY, WARNING AND MARKER SIGNS WITHIN THE PROJECT LIMITS INSTALLED MORE THAN FIVE YEARS IN ADVANCE OF THE DATE THE CONTRACT IS EXECUTED SHALL BE REMOVED AND NEW SIGNS, POSTS AND FOUNDATIONS SHALL BE INSTALLED PER CURRENT DESIGN STANDARDS.
5. THE DESIGN-BUILDER SHALL DETERMINE THE LOCATION OF ANY UTILITIES PRIOR TO DRILLING HOLES OR PREPARING SIGN FOUNDATIONS.
6. HOV SIGNS SHALL INCLUDE THE HOURS OF RESTRICTION, 5 AM - 7 PM.
7. ADVANCE 128TH ST HOV EXIT SIGN TO BE PROVIDED BY OTHERS. INSTALL SIGN ON NEW SIGN STRUCTURE.

JULY 15, 2005

RFP  
CONCEPTUAL PLANS

FILE NAME PW:\Engineering\003\drawings\sheets\3ps158a250c_+002.stg1.dgn																I-405 SR 520 TO SR 522			
TIME 11:06:04 AM						REGION NO.		STATE		FED.AID PROJ.NO.						T-2			
DATE 7/13/2005						10		WASH											
PLOTTED BY chriss																			
DESIGNED BY C. SAXE								JOB NUMBER											
ENTERED BY C. SAXE																			
CHECKED BY W. TAYLOR																			
PROJ. ENGR. K. HENRY								CONTRACT NO.		LOCATION NO.									
REGIONAL ADM. D. DYE																			
REVISION				DATE		BY										SHEET 2 OF 8-0 SHEETS			
										DATE		DATE							
										P.E. STAMP BOX		P.E. STAMP BOX							




NOTES:

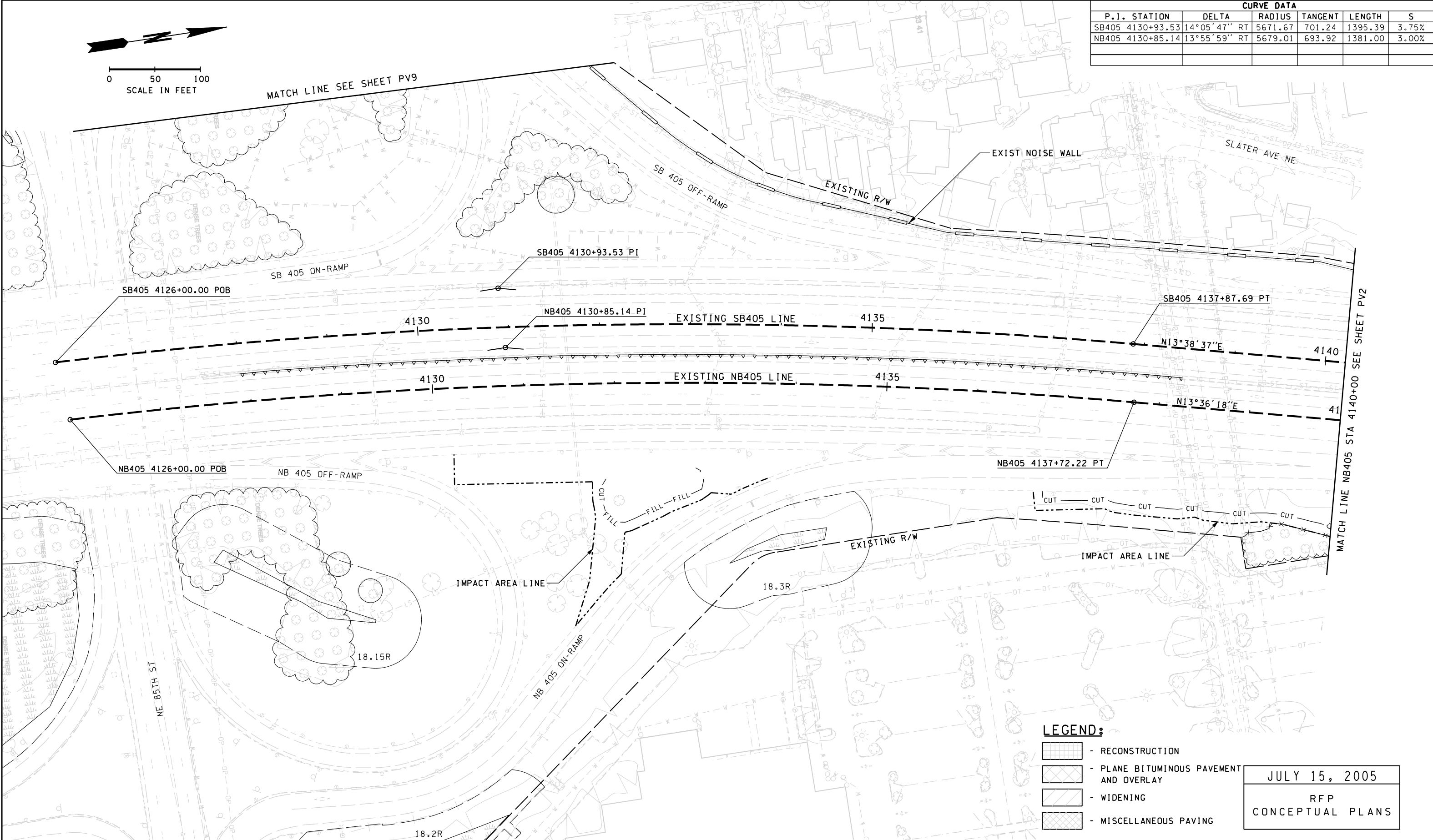
- 1 CROSS SLOPE VARIES, SEE SUPERELEVATION DIAGRAM ON PROFILE AND SUPERELEVATION SHEETS.
- 2 DISTANCE VARIES, SEE PAVEMENT MARKING PLANS FOR LIMITS.
- 3 SEE CROSS SECTIONS, APPENDIX M2, FOR SLOPE RATES, AND DRAINAGE PLANS FOR CONTOUR GRADING. BARRIER AND GUARDRAIL LOCATIONS HAVE NOT BEEN DETERMINED, AND ARE NOT SHOWN ON THESE PLANS. THE DESIGN-BUILDER SHALL DESIGN AND CONSTRUCT ALL NECESSARY BARRIER AND GUARDRAIL IN ACCORDANCE WITH CLEAR ZONE AND GRADING REQUIREMENTS. SUBGRADE IS NOT SHOWN ON TYPICAL SECTIONS. ADDITIONAL GRADING MAY BE REQUIRED TO PROPERLY DRAIN SUBGRADE INTO ROADSIDE DRAINAGE DITCHES AND FOR GUARDRAIL/BARRIER INSTALLATION.
- 4 REMOVE AND REPLACE EXISTING MEDIAN BARRIER AS REQUIRED.
- 5 0.15' PLANE BITUMINOUS PAVEMENT AND OVERLAY.
- 6 REMOVE AND REPLACE INSIDE SHOULDERS WITH FULL DEPTH HMA. PAVEMENT SECTION SHALL MATCH ADJACENT TRAVEL LANE.
- 7 EXISTING PAVEMENT SECTION CONSISTS OF APPROXIMATELY 12" HMA OVER BASE MATERIAL. THE DESIGN-BUILDER SHALL VERIFY THICKNESS AND DESIGN THE NEW PAVEMENT SECTION IN ACCORDANCE WITH SECTION 2.7 OF THE TECHNICAL SPECIFICATIONS.
- 8 THE AREA BETWEEN THE EDGE OF SHOULDER AND THE MEDIAN BARRIER SHALL BE PAVED IN ALL LOCATIONS WHEN THE DISTANCE BETWEEN THE TWO IS 15' OR LESS. THE PAVEMENT SHALL BE THE SAME STRUCTURAL SECTION AS THE ADJACENT SHOULDER.
- 9 THE DESIGN-BUILDER SHALL SUBMIT A DESIGN AND CONSTRUCTION METHOD FOR APPROVAL IN THE PAVEMENT REPORT WHICH ADDRESSES SAWCUT LINES WITHIN PERMANENT TRAVEL LANES TO ENSURE THAT CRACKS DO NOT PROPAGATE THROUGH THE WEARING COURSE.
- 10 OUTSIDE LANE AND SHOULDER WIDTHS VARY AT RAMP LOCATIONS. SEE PAVEMENT MARKING PLANS FOR DETAILS.
- 11 THE DESIGN-BUILDER SHALL DESIGN THE PAVEMENT SECTION IN ACCORDANCE WITH SECTION 2.7 OF THE TECHNICAL SPECIFICATIONS.


- LEGEND:
- RECONSTRUCTION
  - PLANE BITUMINOUS PAVEMENT AND OVERLAY
  - WIDENING
  - MISCELLANEOUS PAVING

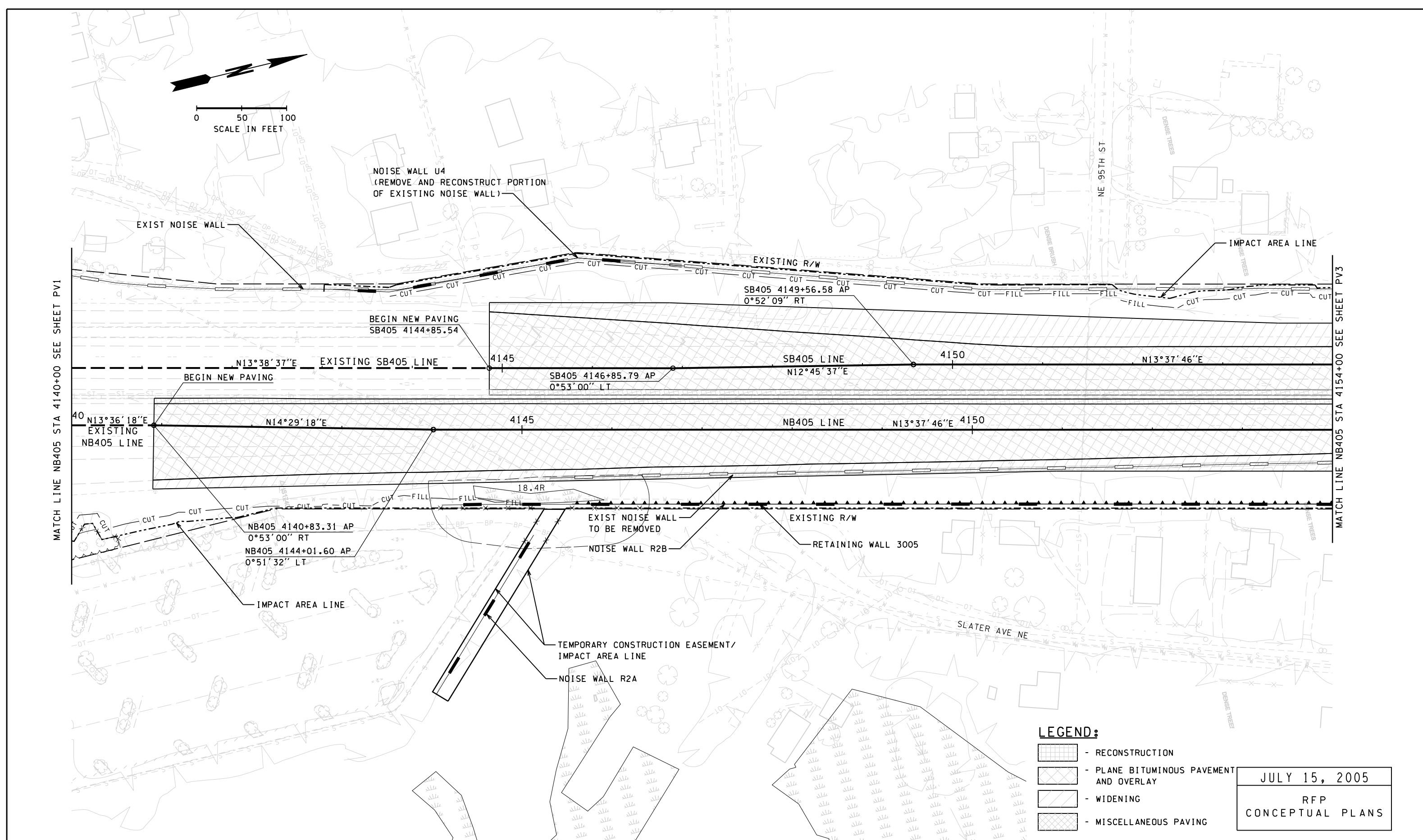
JULY 15, 2005  
RFP  
CONCEPTUAL PLANS

FILE NAME PW:\Engineering\003\drawings\sheets\3ps158a250c_rs001.stg1.dgn														<div><div>INTERSTATE</div><div>405</div><div>Project Team</div><div> Washington State Department of Transportation</div></div>		I - 405 SR 520 TO SR 522		STAGE 1		ROADWAY SECTIONS	
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DATE 7/13/2005						REGION NO.		STATE													
PLOTTED BY chriss						10		WASH													
DESIGNED BY C. BARNETT						JOB NUMBER															
ENTERED BY C. SAXE																					
CHECKED BY W. TAYLOR						CONTRACT NO.				LOCATION NO.											
PROJ. ENGR. K. HENRY																					
REGIONAL ADM. D. DYE				REVISION		DATE		BY						DATE		P.E. STAMP BOX					

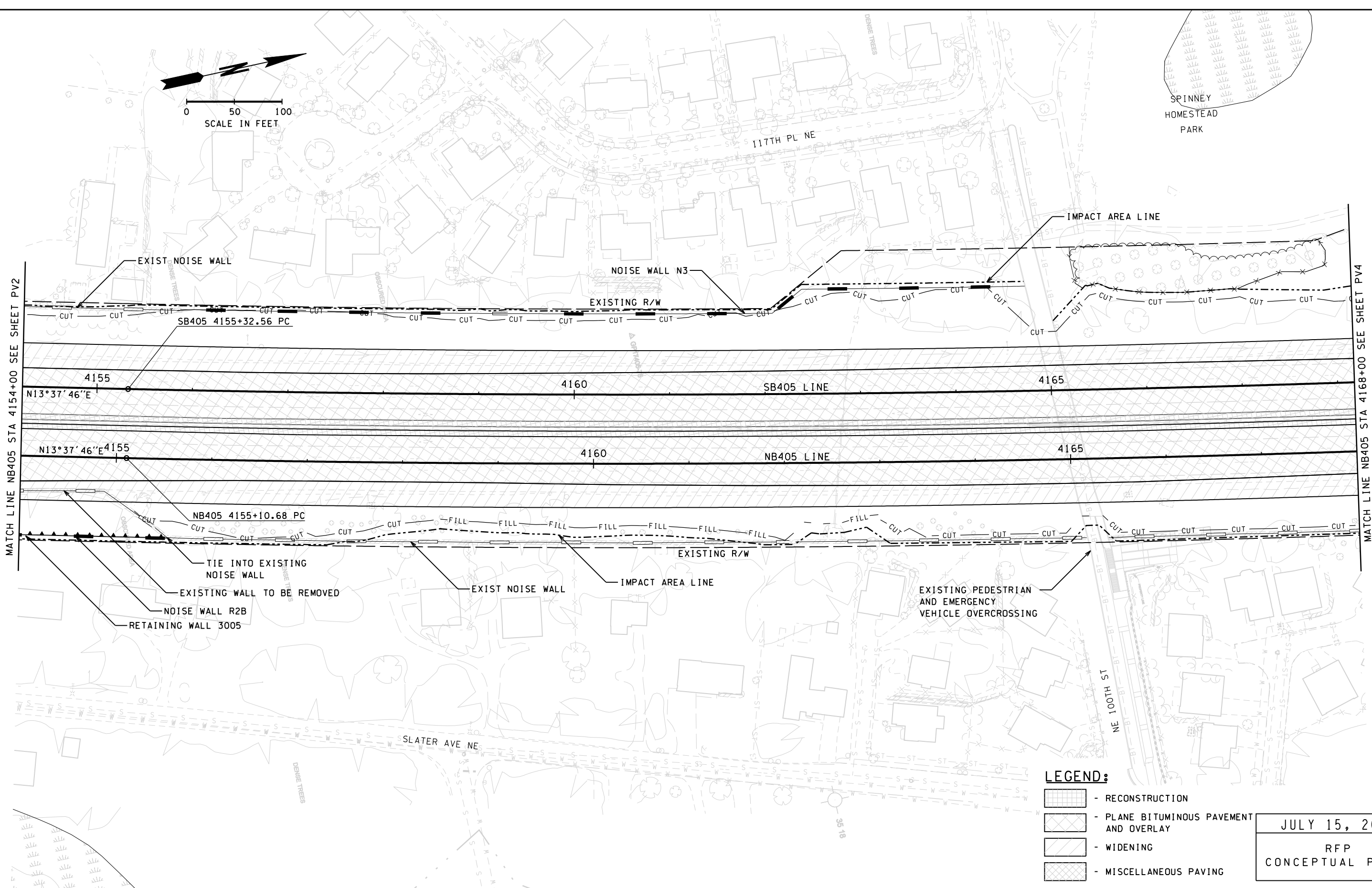
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NB405 4130+85.14	13°55' 59" RT	5679.01	693.92	1381.00	3.00%




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DATE 7/13/2005				CONTRACT NO.						Washington State Department of Transportation		ALIGNMENT AND PAVING			
PLOTTED BY chriss															
DESIGNED BY C. BARNETT															
ENTERED BY C. SAXE															
CHECKED BY W. TAYLOR															
PROJ. ENGR. K. HENRY															
REGIONAL ADM. D. DYE				REVISION		DATE		BY							



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DATE 7/13/2005																									
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CHECKED BY W. TAYLOR																									
PROJ. ENGR. K. HENRY																									
REGIONAL ADM. D. DYE																									
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																				ALIGNMENT AND PAVING					

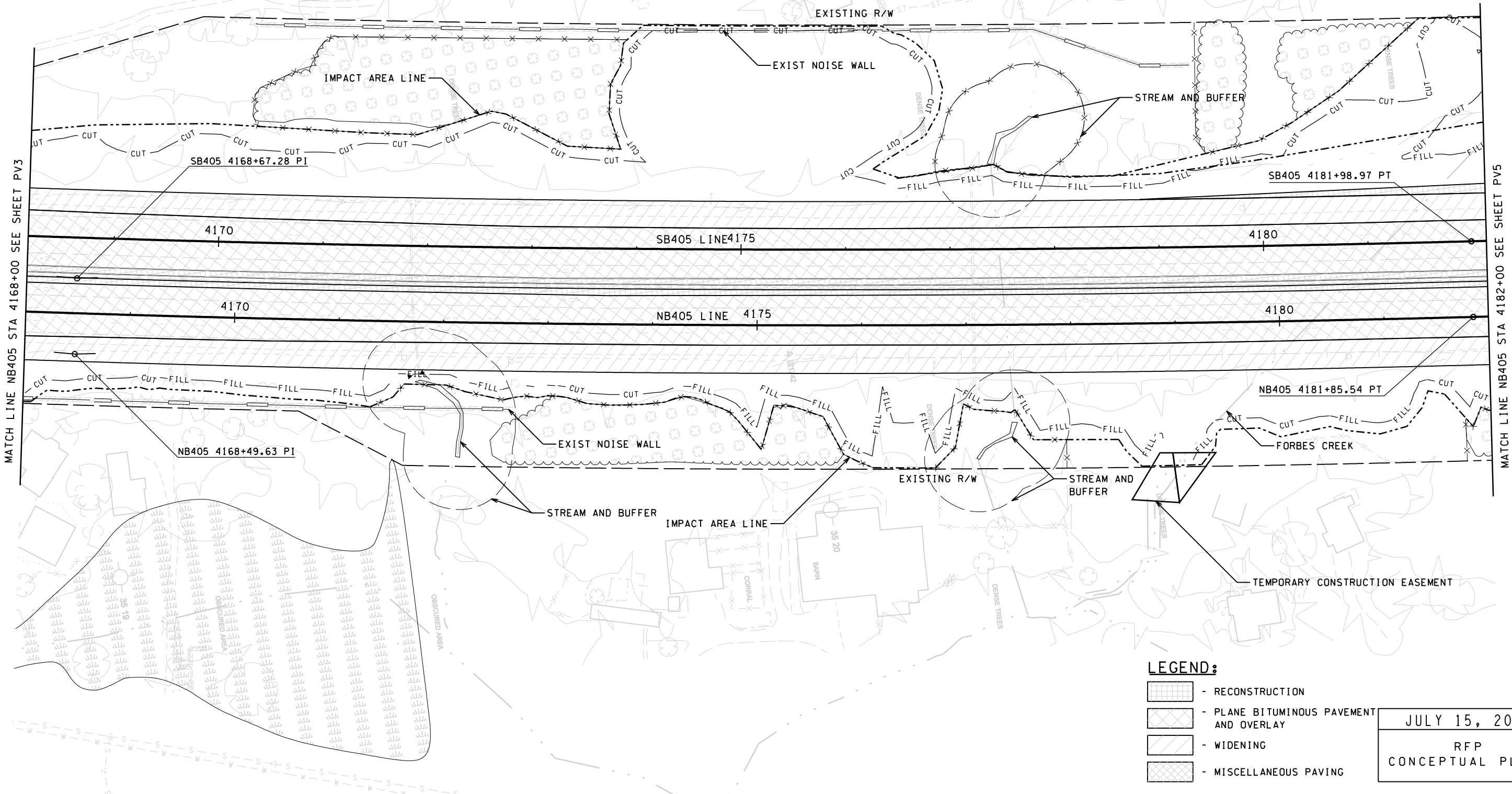


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CHECKED BY W. TAYLOR	.	.	.																
PROJ. ENGR. K. HENRY	.	.	.																
REGIONAL ADM. D. DYE	REVISION		DATE	BY					DATE		DATE						ALIGNMENT AND PAVING		
										P.E. STAMP BOX		P.E. STAMP BOX							



CURVE DATA					
P.I. STATION	DELTA	RADIUS	TANGENT	LENGTH	S
SB405 4168+67.28	6°41'13" LT	22846.60	1334.72	2666.41	2.00%
NB405 4168+49.63	6°41'13" LT	22919.00	1338.95	2674.86	2.00%

0 50 100  
SCALE IN FEET




**LEGEND:**

- RECONSTRUCTION
- PLANE BITUMINOUS PAVEMENT AND OVERLAY
- WIDENING
- MISCELLANEOUS PAVING

**JULY 15, 2005**

RFP  
CONCEPTUAL PLANS

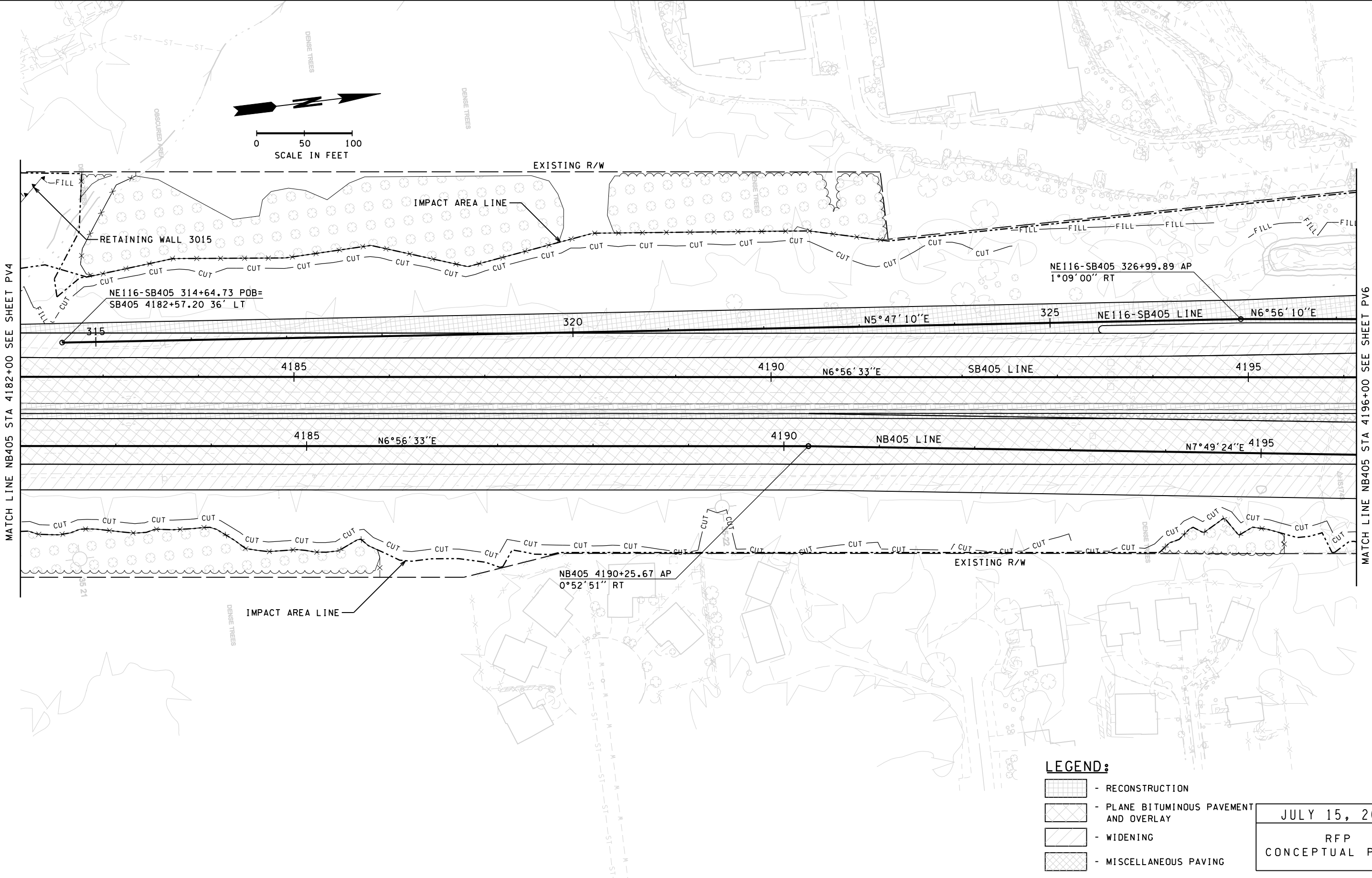
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DATE 7/13/2005				CONTRACT NO.				LOCATION NO.				ALIGNMENT AND PAVING			
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DESIGNED BY C. BARNETT															
ENTERED BY C. SAXE															
CHECKED BY W. TAYLOR															
PROJ. ENGR. K. HENRY															
REGIONAL ADM. D. DYE															
REVISION				DATE		BY									


DATE

P.E. STAMP BOX

DATE

P.E. STAMP BOX

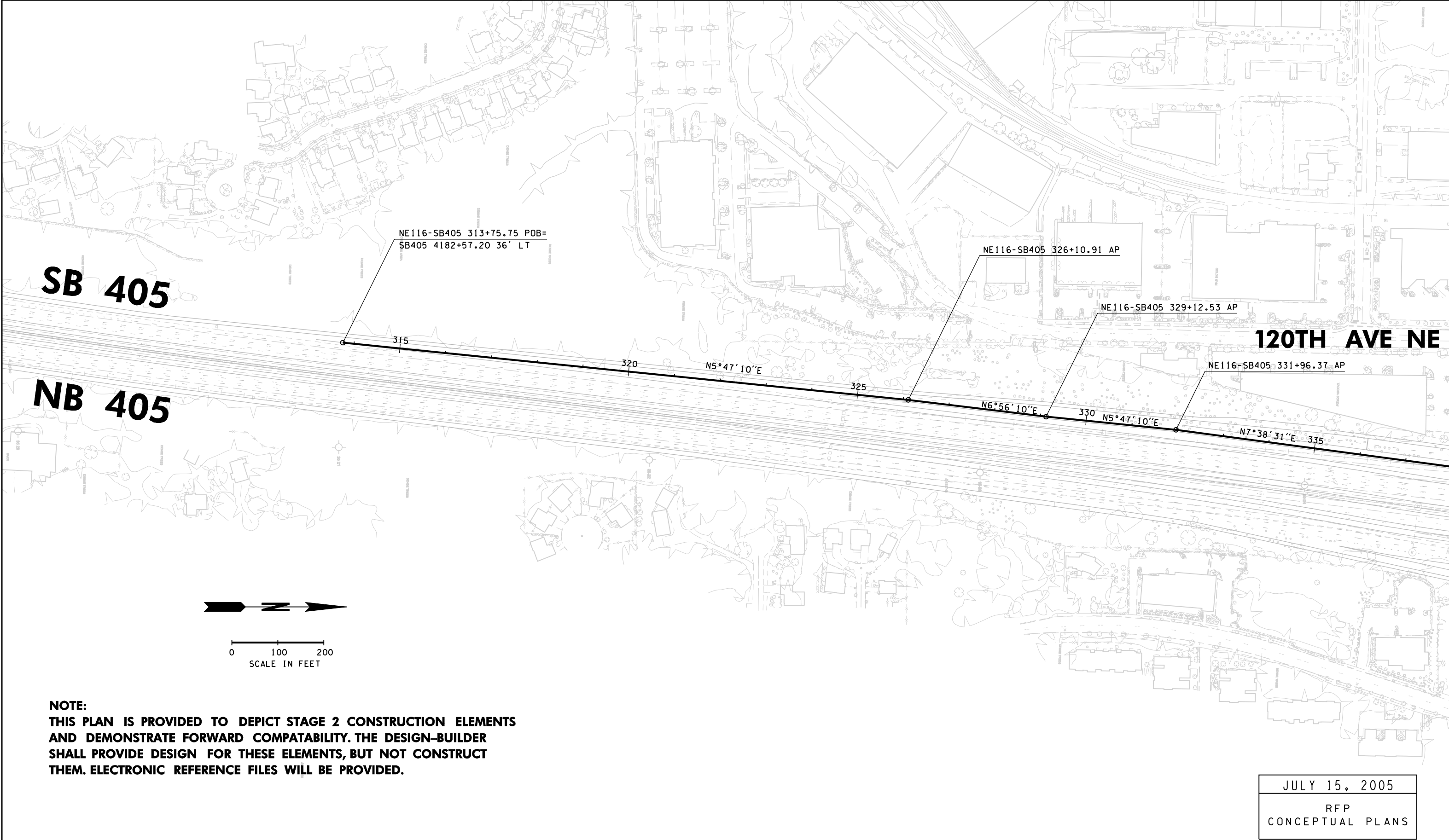



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DATE 7/13/2005												ALIGNMENT AND PAVING			
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DESIGNED BY C. BARNETT															
ENTERED BY C. SAXE															
CHECKED BY W. TAYLOR															
PROJ. ENGR. K. HENRY															
REGIONAL ADM. D. DYE				REVISION		DATE		BY		P.E. STAMP BOX		P.E. STAMP BOX			



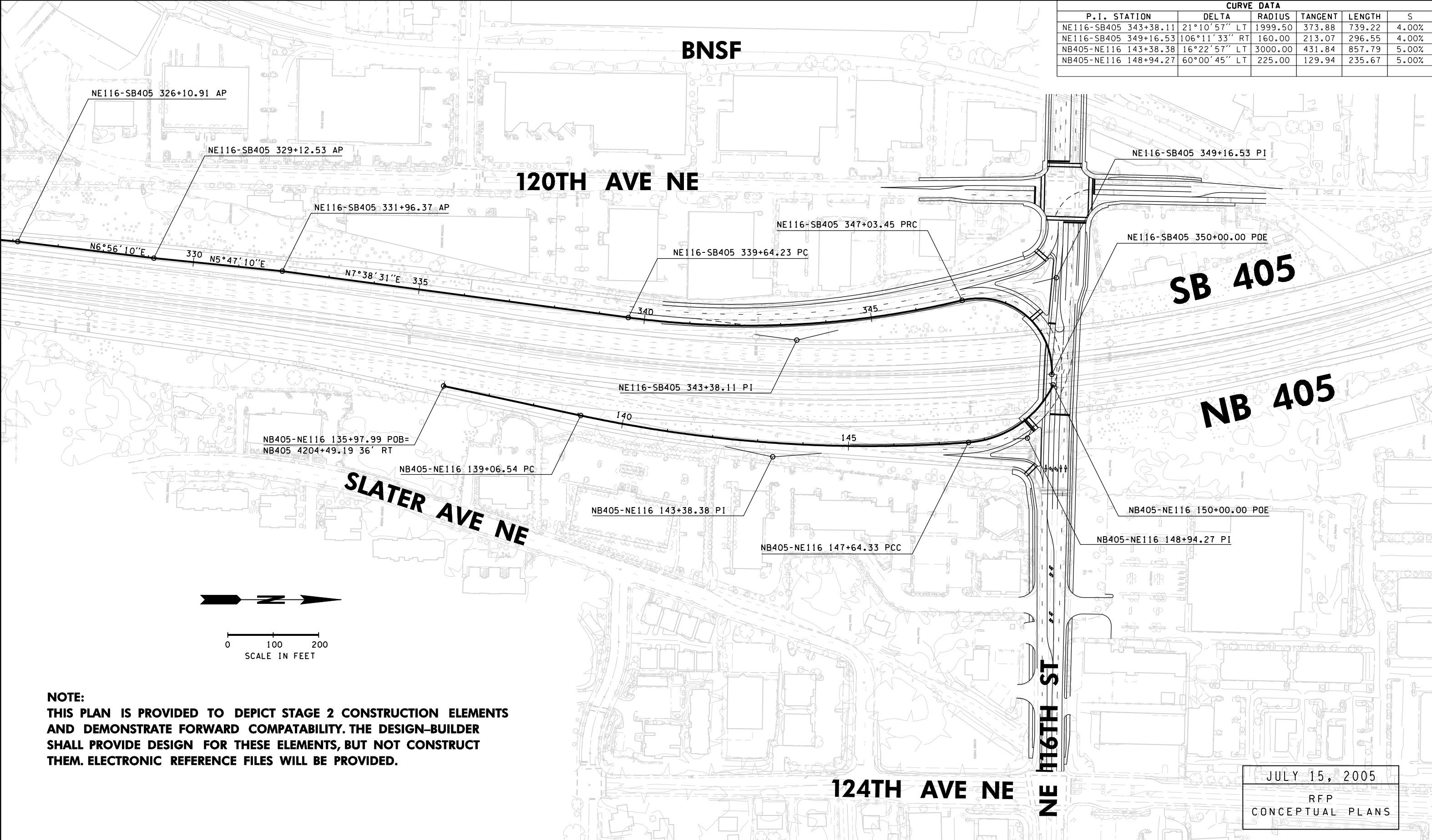







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TIME 11:13:50 AM	.	.	.	.	REGION NO.	STATE	FED.AID PROJ.NO.		SR 520 TO SR 522									
DATE 7/13/2005	.	.	.	.	10	WASH												
PLOTTED BY chriss	.	.	.	.	JOB NUMBER		LOCATION NO.		STAGE 2									
DESIGNED BY C. BARNETT	.	.	.	.	.													
ENTERED BY C. SAXE	.	.	.	.	CONTRACT NO.		ALIGNMENT AND PAVING		SHEET 1:1 OF 80 SHEETS									
CHECKED BY W. TAYLOR	.	.	.	.	.													
PROJ. ENGR. K. HENRY	.	.	.	.	.		DATE		DATE									
REGIONAL ADM. D. DYE	REVISION			DATE	BY	P.E. STAMP BOX		P.E. STAMP BOX										

CURVE DATA					
P.I. STATION	DELTA	RADIUS	TANGENT	LENGTH	S
NE116-SB405 343+38.11	21°10'57" LT	1999.50	373.88	739.22	4.00%
NE116-SB405 349+16.53	106°11'33" RT	160.00	213.07	296.55	4.00%
NB405-NE116 143+38.38	16°22'57" LT	3000.00	431.84	857.79	5.00%
NB405-NE116 148+94.27	60°00'45" LT	225.00	129.94	235.67	5.00%

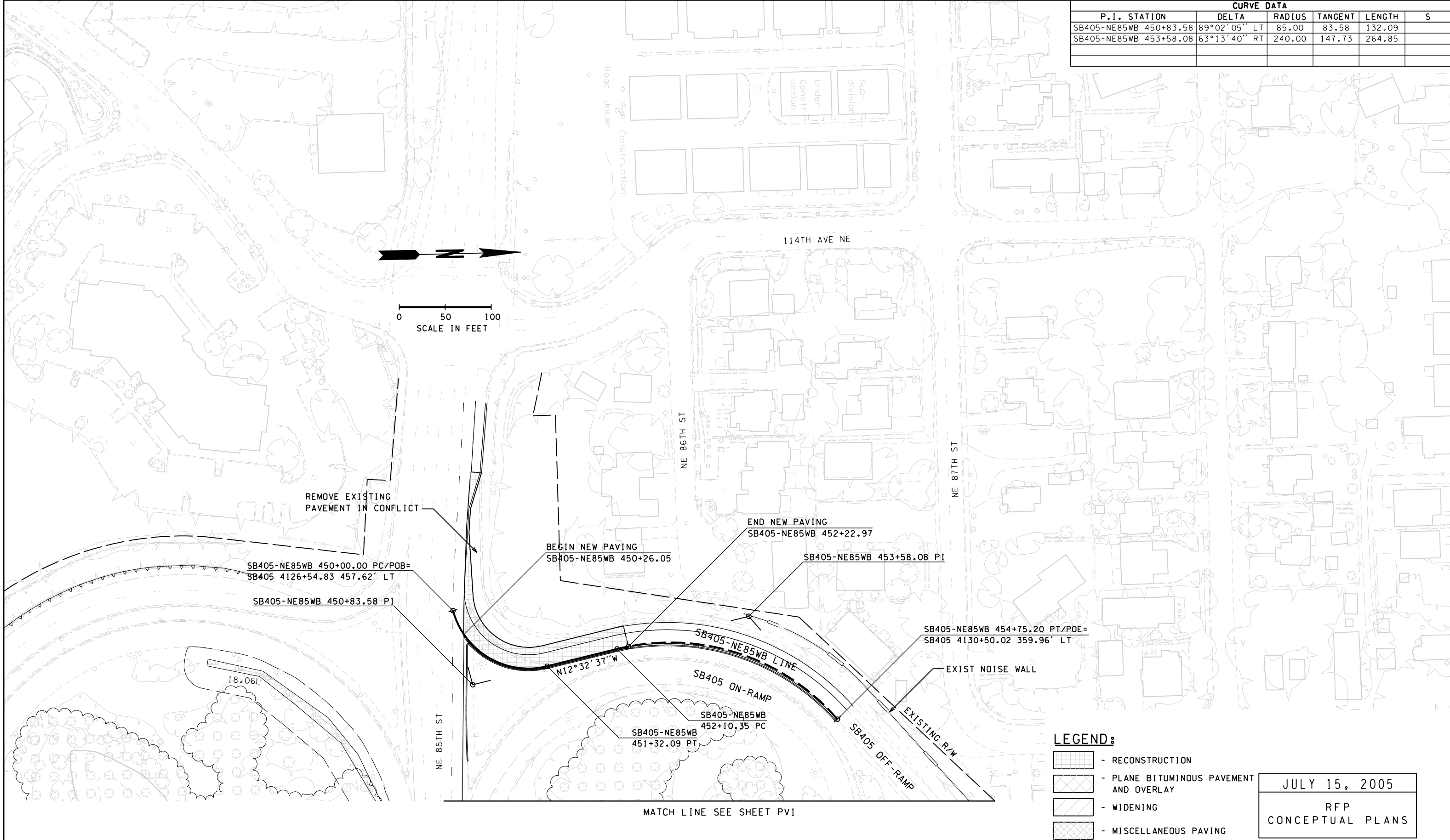


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DATE 7/13/2005	.	.	.	10	WASH														
PLOTTED BY chriss	.	.	.	JOB NUMBER															
DESIGNED BY C. BARNETT	.	.	.	CONTRACT NO.		LOCATION NO.													
ENTERED BY C. SAXE																			
CHECKED BY W. TAYLOR																			
PROJ. ENGR. K. HENRY																			
REGIONAL ADM. D. DYE																			
REVISION				DATE	BY														





CURVE DATA					
P.I. STATION	DELTA	RADIUS	TANGENT	LENGTH	S
SB405-NE85WB 450+83.58	89°02'05" LT	85.00	83.58	132.09	
SB405-NE85WB 453+58.08	63°13'40" RT	240.00	147.73	264.85	



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TIME 11:17:13 AM

DATE 7/13/2005

PLOTTED BY chriss

DESIGNED BY C. BARNETT

ENTERED BY C. SAXE

CHECKED BY W. TAYLOR

PROJ. ENGR. K. HENRY

REGIONAL ADM. D. DYE

REVISION

DATE

BY

REGION NO.

10

WASH

JOB NUMBER

.

CONTRACT NO.

.

STATE

WASH

LOCATION NO.

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FED.AID PROJ.NO.

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P.E. STAMP BOX

P.E. STAMP BOX

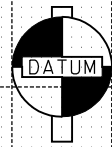


I-405  
SR 520 TO SR 522

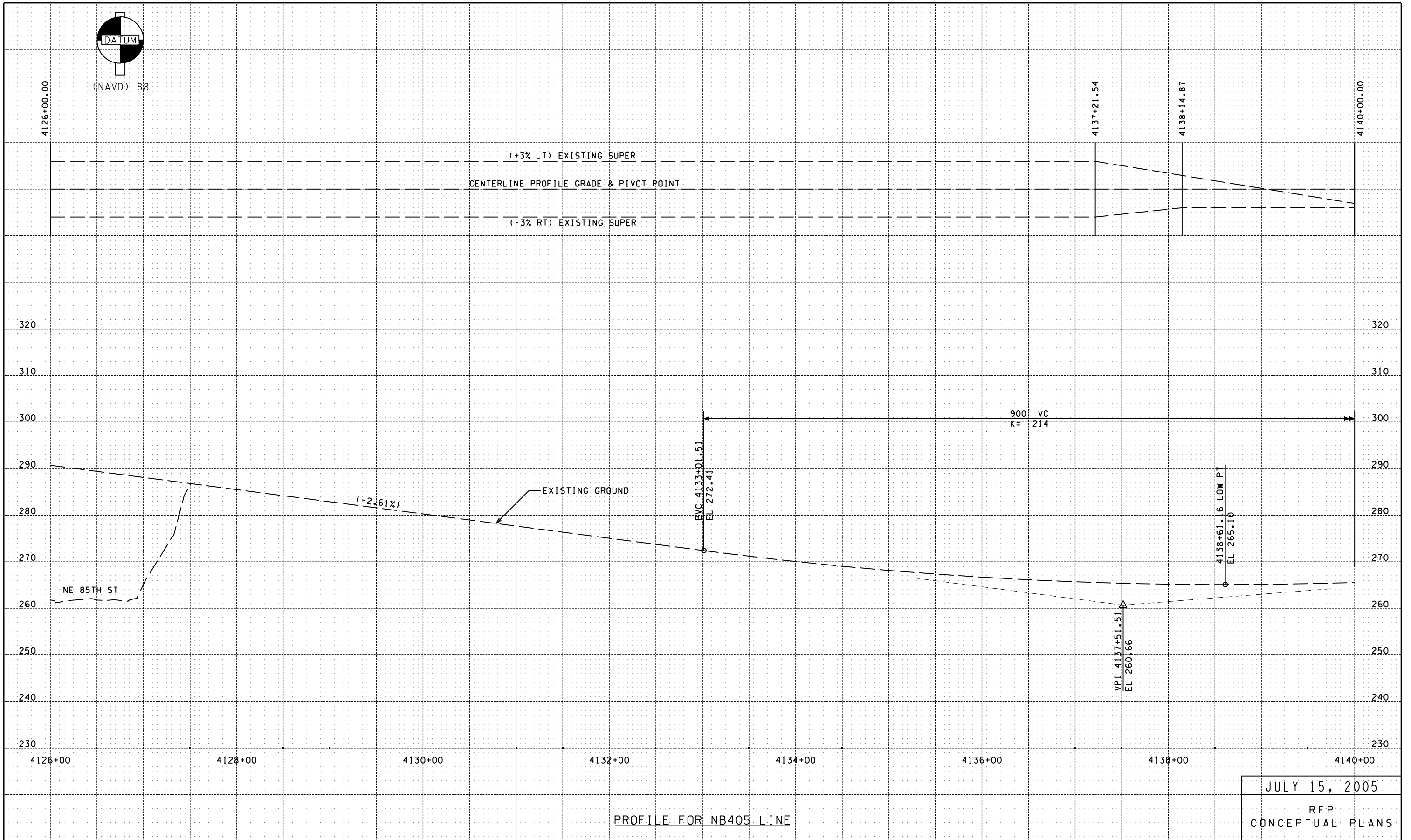
STAGE 1  
ALIGNMENT AND PAVING

PV9

SHEET  
14  
OF  
80  
SHEETS



(NAVD) 88



FILE NAME PW:\Engineering\003\drawings\sheets\3ps158a250c\_rp001.stg1.dgn

TIME 11:17:40 AM

DATE 7/13/2005

PLOTTED BY chriss

DESIGNED BY C. BARNETT

ENTERED BY C. SAXE

CHECKED BY W. TAYLOR

PROJ. ENGR. K. HENRY

REGIONAL ADM. D. DYE

REVISION

DATE

BY

REGION NO.	STATE
10	WASH
JOB NUMBER	
CONTRACT NO.	

FED.AID PROJ.NO.

LOCATION NO.

P.E. STAMP BOX

P.E. STAMP BOX



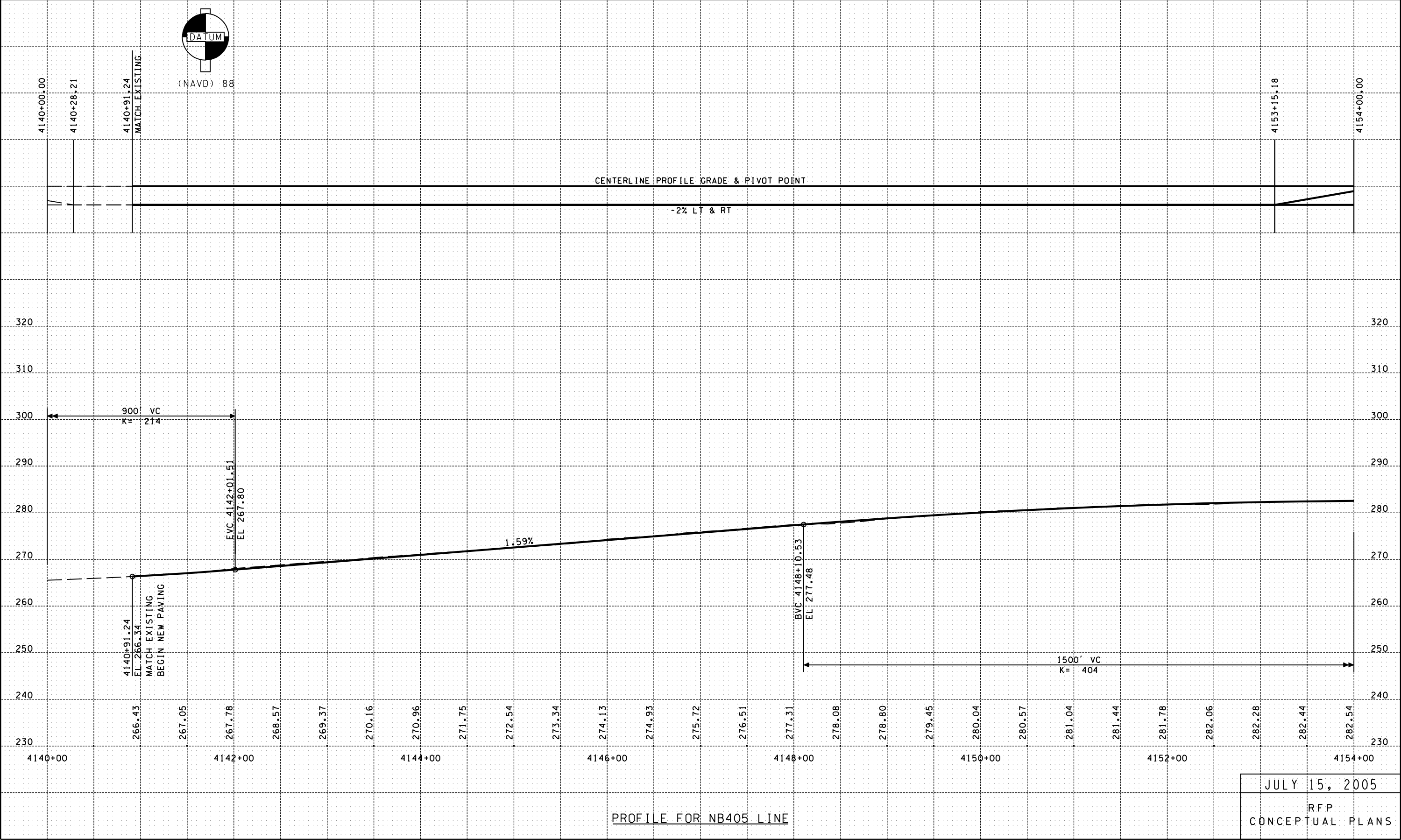
I-405  
SR 520 TO SR 522

STAGE 1

PROFILE AND SUPERELEVATION

RP1

SHEET  
15  
OF  
80  
SHEETS



FILE NAME PW:\Engineering\003\drawings\sheets\3ps158a250c-rp002.stg1.dgn

TIME 11:18:12 AM

DATE 7/13/2005

PLOTTED BY chriss

DESIGNED BY C. BARNETT

ENTERED BY C. SAXE

CHECKED BY W. TAYLOR

PROJ. ENGR. K. HENRY

REGIONAL ADM. D. DYE

REVISION

DATE

BY

REGION  
NO.

STATE

10

WASH

JOB NUMBER

.

CONTRACT NO.

.

FED.AID PROJ.NO.

LOCATION NO.

.

P.E. STAMP BOX

P.E. STAMP BOX



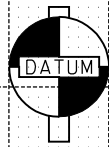
I-405  
SR 520 TO SR 522

STAGE 1

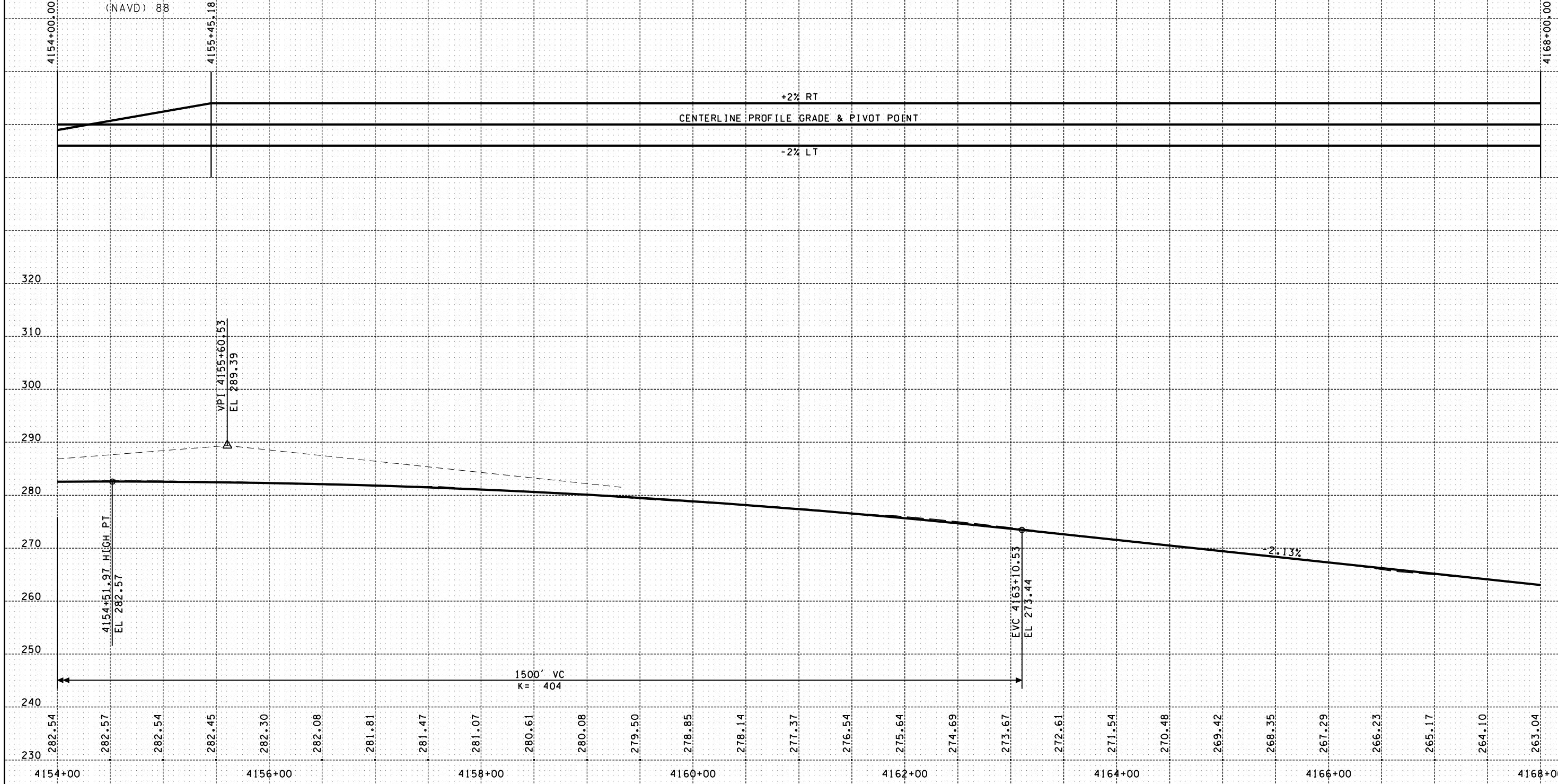
PROFILE AND SUPERELEVATION

RP2

SHEET  
16  
OF  
80  
SHEETS



(NAVD) 88




PROFILE FOR NB405 LINE

JULY 15, 2005

RFP

CONCEPTUAL PLANS


FILE NAME PW:\Engineering\003\drawings\sheets\3ps158a250c-rp003.stg1.dgn				REGION NO. 10		STATE WASH		FED.AID PROJ.NO.				I-405		RP3	
TIME 11:18:42 AM												SR 520 TO SR 522			
DATE 7/13/2005												STAGE 1		SHEET 1 OF 80 SHEETS	
PLOTTER BY chriss												PROFILE AND SUPERELEVATION			
DESIGNED BY C. BARNETT															
ENTERED BY C. SAXE															
CHECKED BY W. TAYLOR															
PROJ. ENGR. K. HENRY															
REGIONAL ADM. D. DYE															
REVISION				DATE		BY									

P.E. STAMP BOX	DATE	P.E. STAMP BOX	DATE
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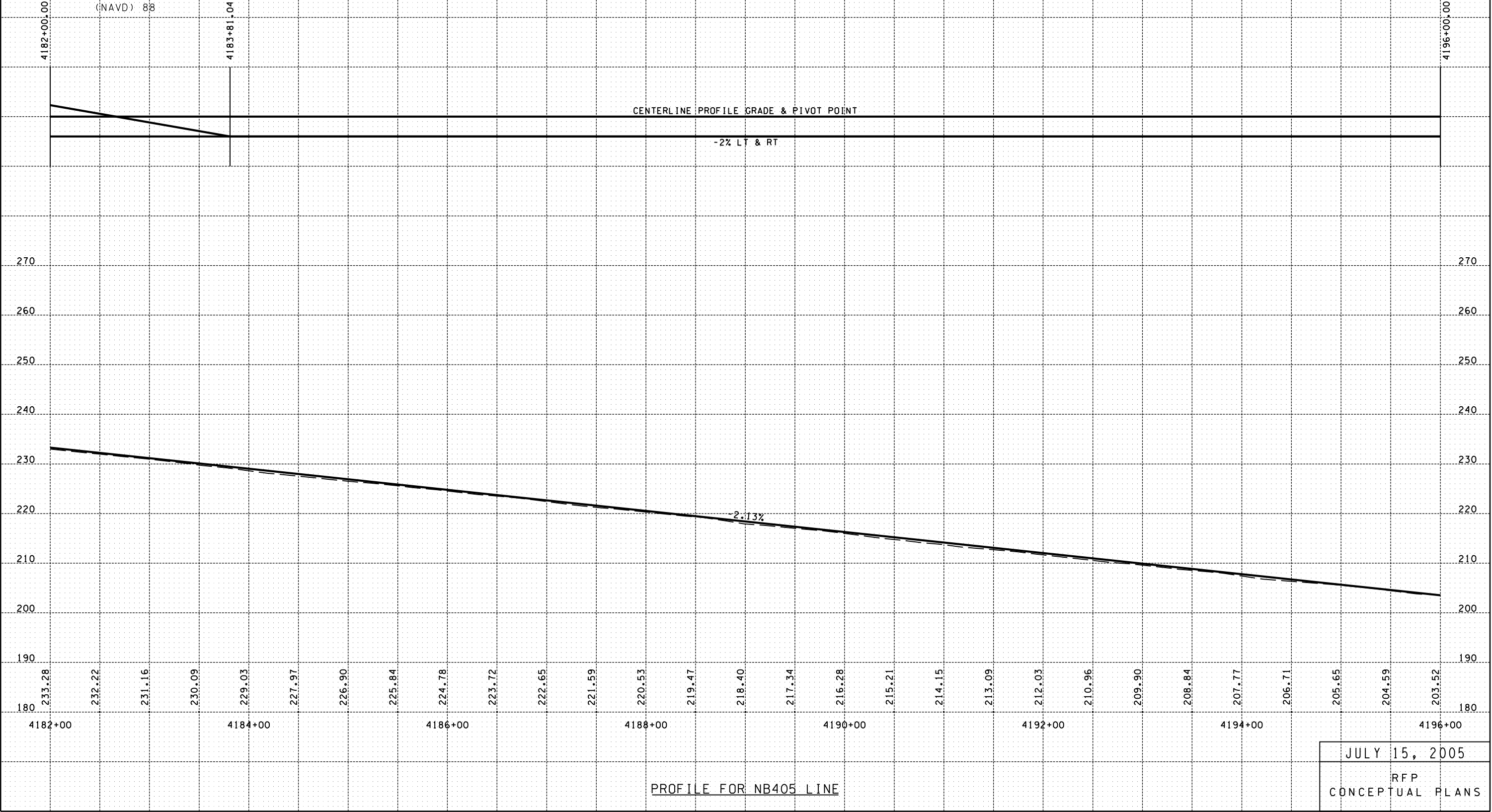



RFP  
CONCEPTUAL PLANS

FILE NAME PW:\Engineering\003\drawings\sheets\3ps158a250c-rp004.stg1.dgn												<div><div>INTERSTATE</div><div>405 Project Team</div><div> Washington State Department of Transportation</div></div>	I - 405 SR 520 TO SR 522		RP4
TIME 11:19:14 AM	.	.	.	REGION NO.	STATE	FED.AID PROJ.NO.									
DATE 7/13/2005	.	.	.	10	WASH										
PLOTTED BY chriss	.	.	.	JOB NUMBER	.										
DESIGNED BY C. BARNETT	.	.	.	.	.										
ENTERED BY C. SAXE	.	.	.	.	.										
CHECKED BY W. TAYLOR	.	.	.	CONTRACT NO.	LOCATION NO.										
PROJ. ENGR. K. HENRY				.	.										
REGIONAL ADM. D. DYE		REVISION	DATE	BY	.	.		DATE	DATE			SHEET 1-8 OF 80 SHEETS			
							P.E. STAMP BOX	P.E. STAMP BOX							



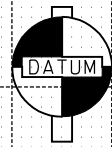
(NAVD) 88



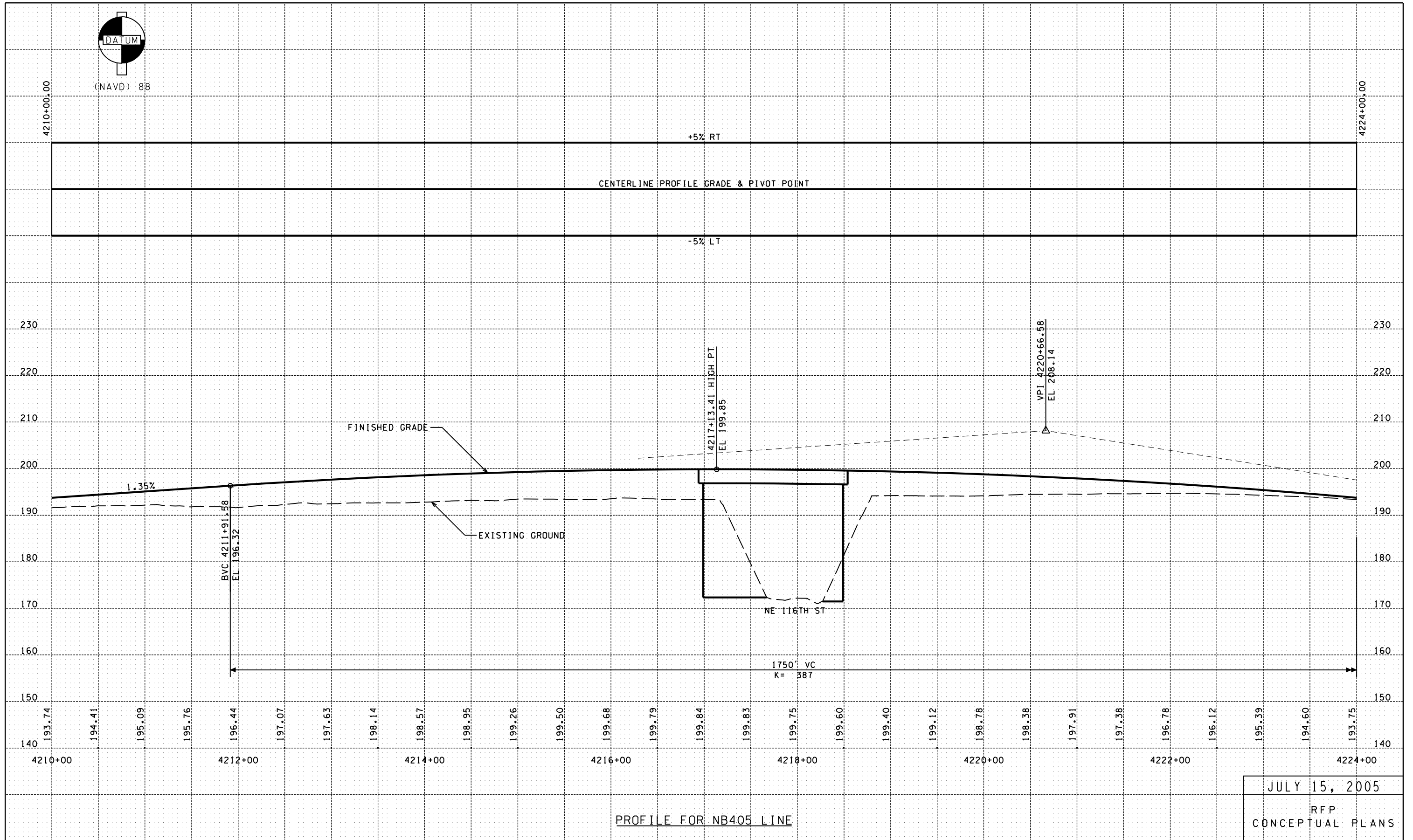
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TIME 11:19:46 AM												STAGE 1		SHEET 1-9 OF 8-0 SHEETS	
DATE 7/13/2005												PROFILE AND SUPERELEVATION			
PLOTTED BY chriss															
DESIGNED BY C. BARNETT															
ENTERED BY C. SAXE															
CHECKED BY W. TAYLOR															
PROJ. ENGR. K. HENRY															
REGIONAL ADM. D. DYE		REVISION		DATE		BY									



P.E. STAMP BOX		P.E. STAMP BOX	
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(NAVD) 88



FILE NAME PW:\Engineering\003\drawings\sheets\3ps158a250c-rp007.stg1.dgn				REGION NO. STATE		FED.AID PROJ.NO.				I-405		RP7
TIME 11:20:48 AM				10 WASH		SR 520 TO SR 522						
DATE 7/13/2005				JOB NUMBER						STAGE 1		SHEET 21 OF 80 SHEETS
DESIGNED BY C. BARNETT				CONTRACT NO.		LOCATION NO.				PROFILE AND SUPERELEVATION		
ENTERED BY C. SAXE												
CHECKED BY W. TAYLOR												
PROJ. ENGR. K. HENRY												
REGIONAL ADM. D. DYE		REVISION		DATE		BY		P.E. STAMP BOX		DATE		



(NAVD) 88

4224+00.00

+5% RT

4225+25.00

MATCH EXISTING  
SUPERELEVATION

(+5% RT) EXISTING SUPER

CENTERLINE PROFILE GRADE & PIVOT POINT

+5% LT

(-5% LT) EXISTING SUPER

PLANE BITUMINOUS PAVEMENT AND OVERLAY  
MATCH EXISTING PROFILE  
GRADE AND SUPERELEVATION

230

220

210

200

190

180

170

160

150

140

230

220

210

200

190

180

170

160

150

140

4225+25.00

EL 191.33

MATCH EXISTING PROFILE

193.75

192.83

191.84

4226+00

4228+00

4230+00

4232+00

4234+00

4236+00

4238+00

BNSF RR

1750' VC

K= 387

EVC 4229+41.58

EL 180.33

POE 4231+17.07

MATCH EXISTING  
END NEW PAVING

(-3.18%)

EXISTING GROUND

PROFILE FOR NB405 LINE

JULY 15, 2005

RFP  
CONCEPTUAL PLANS

FILE NAME PW:\Engineering\003\drawings\sheets\3ps158a250c-rp008.stg1.dgn

TIME 11:21:19 AM

DATE 7/13/2005

PLOTTED BY chriss

DESIGNED BY C. BARNETT

ENTERED BY C. SAXE

CHECKED BY W. TAYLOR

PROJ. ENGR. K. HENRY

REGIONAL ADM. D. DYE

REVISION

DATE

BY

REGION  
NO.

STATE

10

WASH

JOB NUMBER

.

CONTRACT NO.

.

.

FED.AID PROJ.NO.

LOCATION NO.

.

.

P.E. STAMP BOX

DATE

P.E. STAMP BOX

DATE



Project Team

Washington State  
Department of Transportation

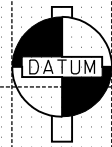
I-405  
SR 520 TO SR 522

STAGE 1

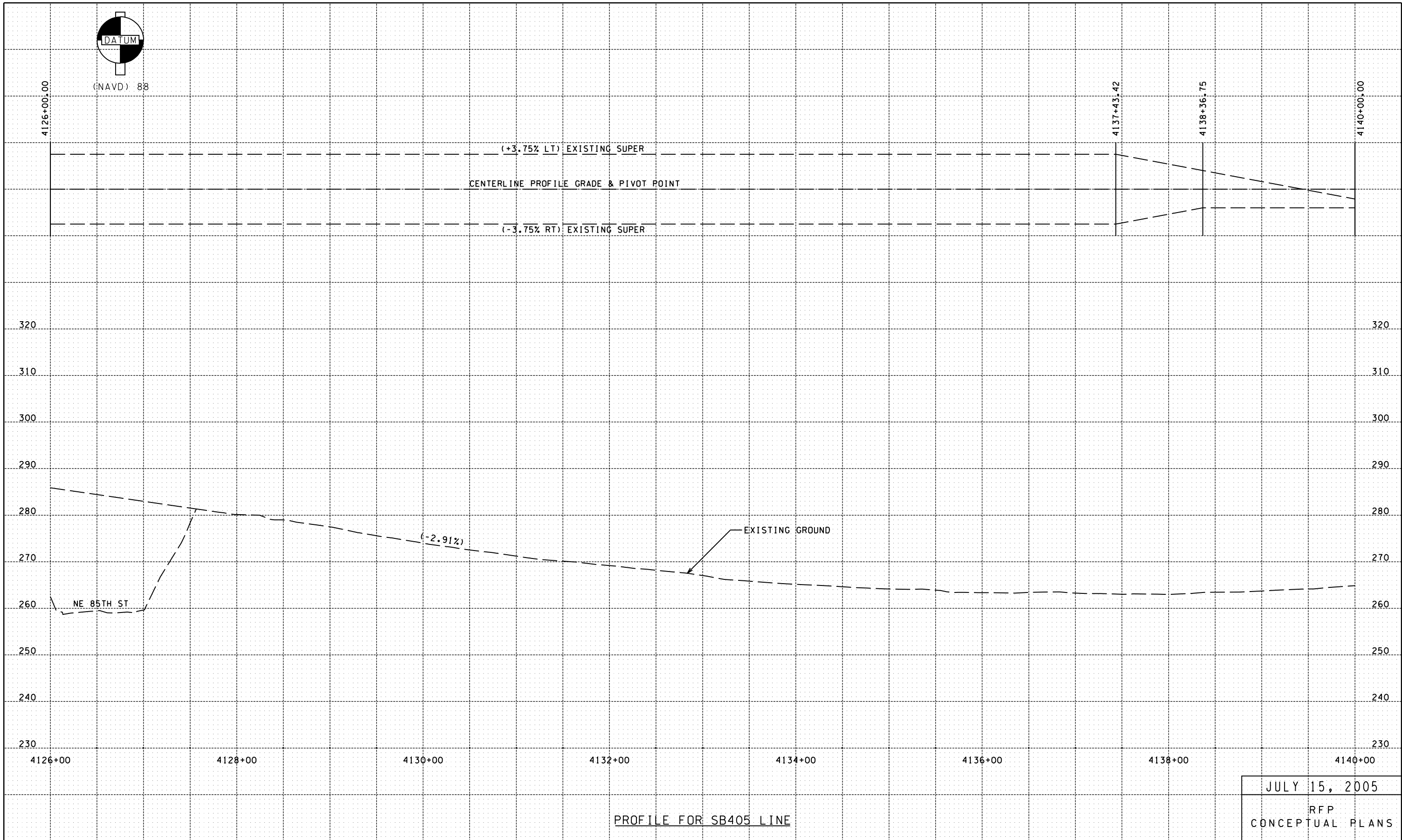
PROFILE AND SUPERELEVATION

RP8

SHEET  
22  
OF  
80  
SHEETS



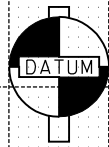
(NAVD) 88



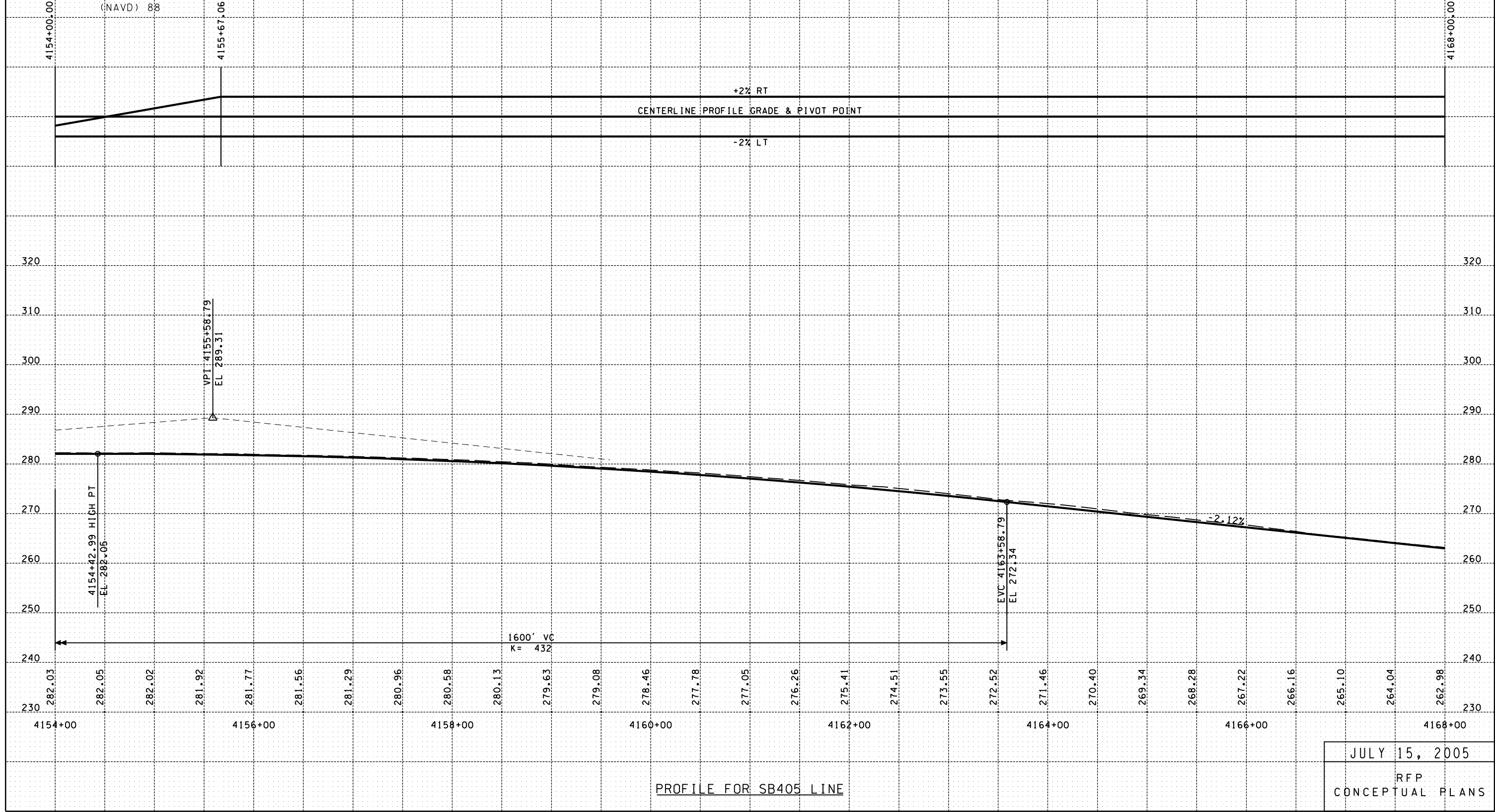
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TIME 11:21:49 AM				10 WASH		SR 520 TO SR 522						
DATE 7/13/2005				JOB NUMBER				STAGE 1		SHEET 23 OF 80 SHEETS		
PLOTTED BY chriss				CONTRACT NO.		LOCATION NO.		PROFILE AND SUPERELEVATION				
DESIGNED BY C. BARNETT												
ENTERED BY C. SAXE												
CHECKED BY W. TAYLOR												
PROJ. ENGR. K. HENRY												
REGIONAL ADM. D. DYE		REVISION		DATE		BY						

P.E. STAMP BOX	DATE	P.E. STAMP BOX	DATE
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(NAVD) 88



FILE NAME PW:\Engineering\003\drawings\sheets\3ps158a250c-rp011.stg1.dgn

TIME 11:22:54 AM

DATE 7/13/2005

PLOTTED BY chriss

DESIGNED BY C. BARNETT

ENTERED BY C. SAXE

CHECKED BY W. TAYLOR

PROJ. ENGR. K. HENRY

REGIONAL ADM. D. DYE

REVISION

DATE

BY

REGION  
NO.

STATE

10 WASH

JOB NUMBER

CONTRACT NO.

LOCATION NO.

FED.AID PROJ.NO.

P.E. STAMP BOX

DATE

P.E. STAMP BOX

DATE



Washington State  
Department of Transportation

I-405  
SR 520 TO SR 522

STAGE 1

PROFILE AND SUPERELEVATION


RP11

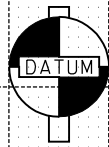
SHEET  
25  
OF  
80  
SHEETS





RFP  
CONCEPTUAL PLANS

FILE NAME PW:\Engineering\003\drawings\sheets\3ps158a250c_rp012.stg1.dgn											
TIME 11:23:25 AM				REGION NO.	STATE	FED.AID PROJ.NO.					
DATE 7/13/2005				10	WASH						
PLOTTED BY chriss				JOB NUMBER							
DESIGNED BY C. BARNETT											
ENTERED BY C. SAXE				CONTRACT NO.		LOCATION NO.					
CHECKED BY W. TAYLOR											
PROJ. ENGR. K. HENRY											
REGIONAL ADM. D. DYE											
						REVISION		DATE	BY		
 <div style="float:right; text-align:center;"> <b>I-405</b>  SR 520 TO SR 522   <b>STAGE 1</b>   PROFILE AND SUPERELEVATION </div>											RP-12
											SHEET 26 OF 80 SHEETS



(NAVD) 88

4182+00.00

4183+94.47

4196+00.00

CENTERLINE PROFILE GRADE & PIVOT POINT

-2% LT & RT

-2.12%

270

270

260

260

250

250

240

240

230

230

220

220

210

210

200

200

190

190

180

180

4182+00

4184+00

4186+00

4188+00

4190+00

4192+00

4194+00

4196+00

233.27

232.21

231.15

230.09

229.03

227.97

226.91

225.85

224.79

223.72

222.66

221.60

220.54

219.48

218.42

217.36

216.30

215.24

214.18

213.12

212.05

210.99

209.93

208.87

207.81

206.75

205.69

204.63

203.57

PROFILE FOR SB405 LINE

JULY 15, 2005

RFP  
CONCEPTUAL PLANS

FILE NAME PW:\Engineering\003\drawings\sheets\3ps158a250c-rp013.stg1.dgn

TIME 11:23:56 AM

DATE 7/13/2005

PLOTTED BY chriss

DESIGNED BY C. BARNETT

ENTERED BY C. SAXE

CHECKED BY W. TAYLOR

PROJ. ENGR. K. HENRY

REGIONAL ADM. D. DYE

REVISION

DATE

BY

REGION  
NO.

STATE

10

WASH

JOB NUMBER

CONTRACT NO.

LOCATION NO.

FED.AID PROJ.NO.

P.E. STAMP BOX

P.E. STAMP BOX



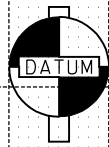
I-405  
SR 520 TO SR 522

STAGE 1

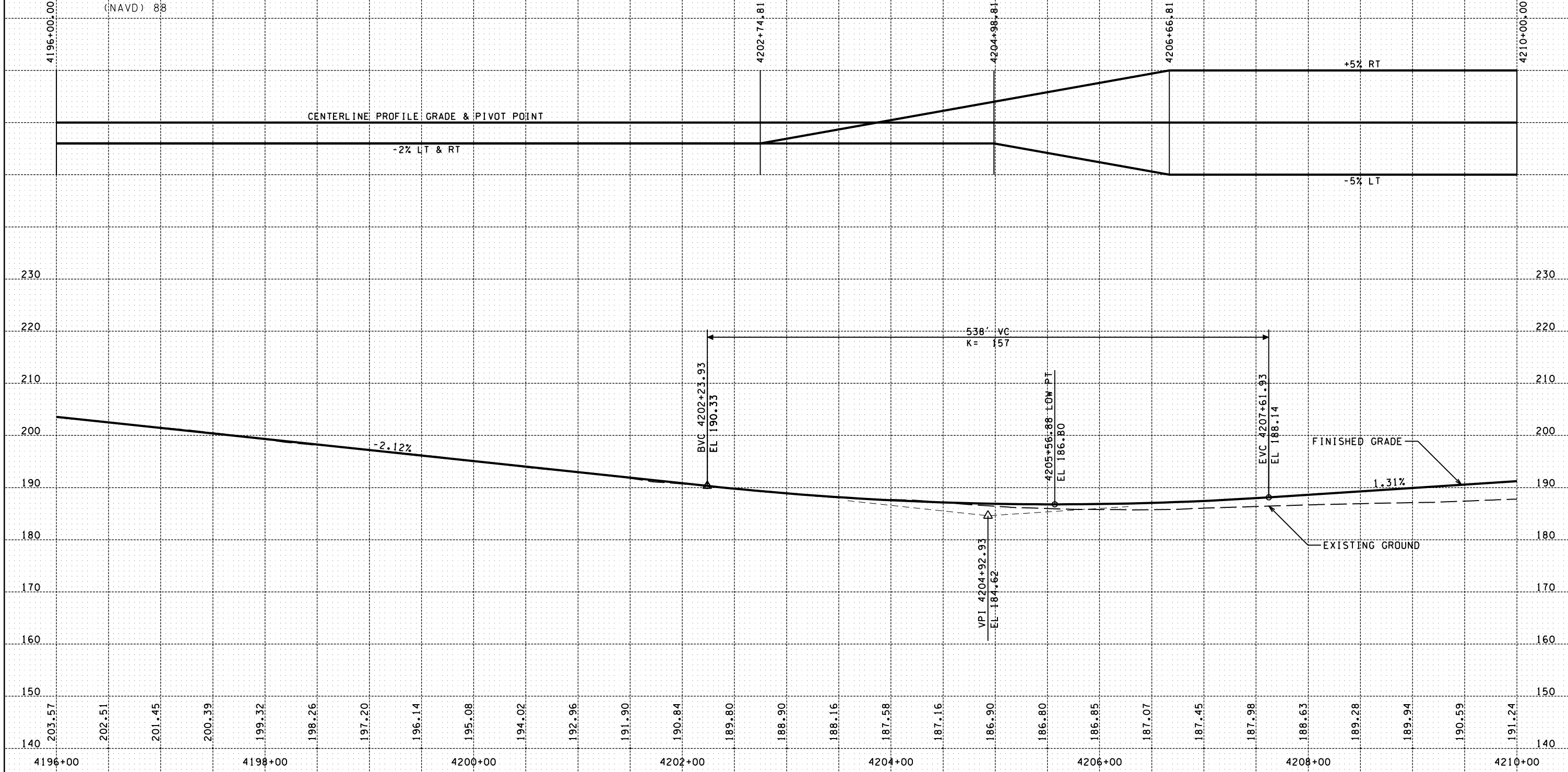
PROFILE AND SUPERELEVATION

RP-13

SHEET  
27  
OF  
80  
SHEETS



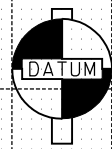
(NAVD) 88



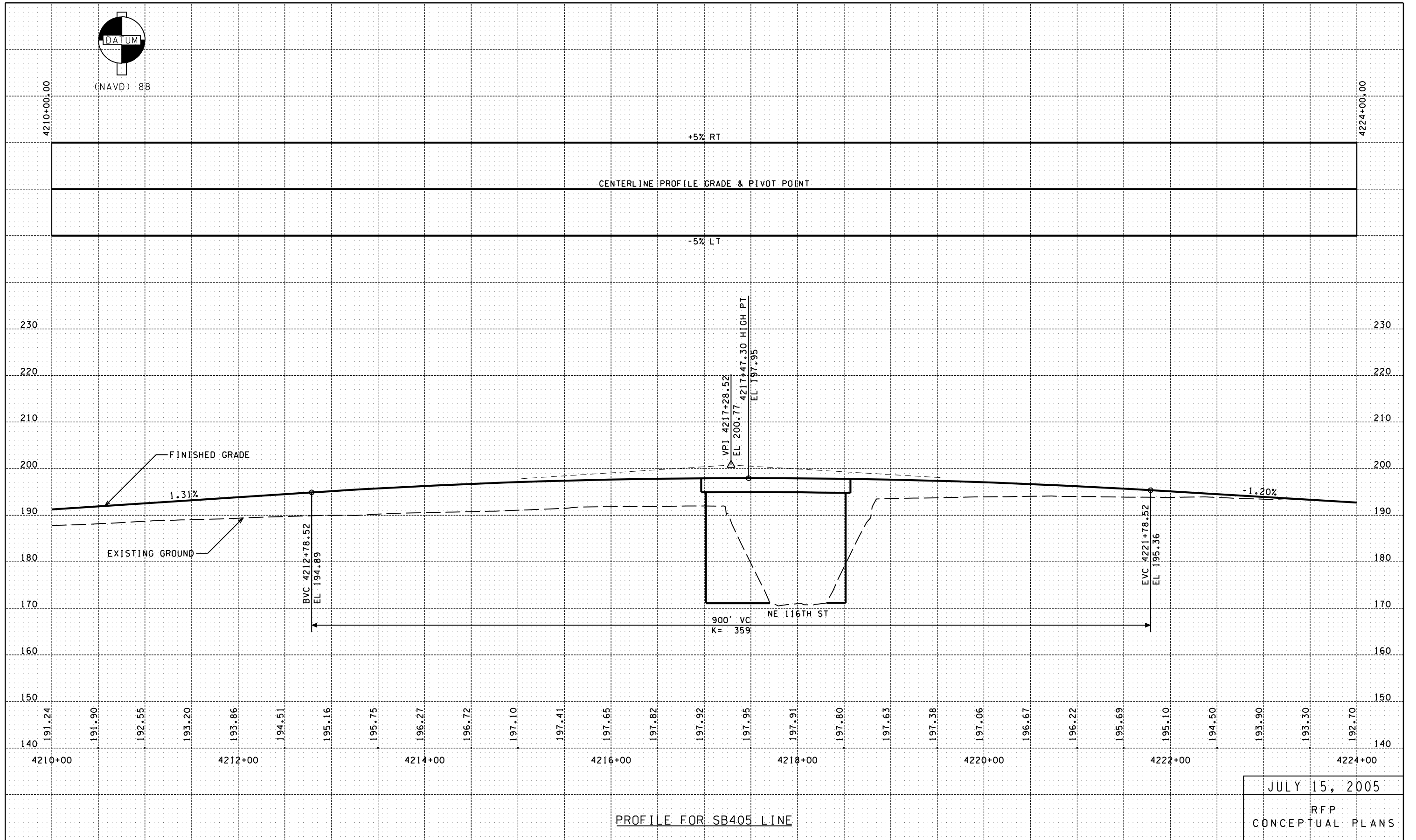
PROFILE FOR SB405 LINE

JULY 15, 2005  
RFP  
CONCEPTUAL PLANS

FILE NAME PW:\Engineering\003\drawings\sheets\3ps158a250c-rp014.stg1.dgn				REGION NO. STATE		FED.AID PROJ.NO.				I-405 SR 520 TO SR 522		RP14	
TIME 11:24:25 AM				10 WASH						STAGE 1		SHEET 28 OF 80 SHEETS	
DATE 7/13/2005				JOB NUMBER						PROFILE AND SUPERELEVATION			
PLOTTED BY chriss													
DESIGNED BY C. BARNETT				CONTRACT NO.		LOCATION NO.							
ENTERED BY C. SAXE													
CHECKED BY W. TAYLOR													
PROJ. ENGR. K. HENRY													
REGIONAL ADM. D. DYE		REVISION		DATE		BY							



(NAVD) 88



FILE NAME PW:\Engineering\003\drawings\sheets\3ps158a250c\_rp015.stg1.dgn

TIME 11:25:17 AM

DATE 7/13/2005

PLOTTED BY chriss

DESIGNED BY C. BARNETT

ENTERED BY C. SAXE

CHECKED BY W. TAYLOR

PROJ. ENGR. K. HENRY

REGIONAL ADM. D. DYE

REVISION

DATE

BY

REGION  
NO.

10

WASH

JOB NUMBER

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CONTRACT NO.

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STATE

WASH

LOCATION NO.

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FED.AID PROJ.NO.

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P.E. STAMP BOX

P.E. STAMP BOX



I-405  
SR 520 TO SR 522

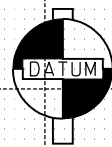
STAGE 1

PROFILE AND SUPERELEVATION

RP15

SHEET  
29  
OF  
80  
SHEETS





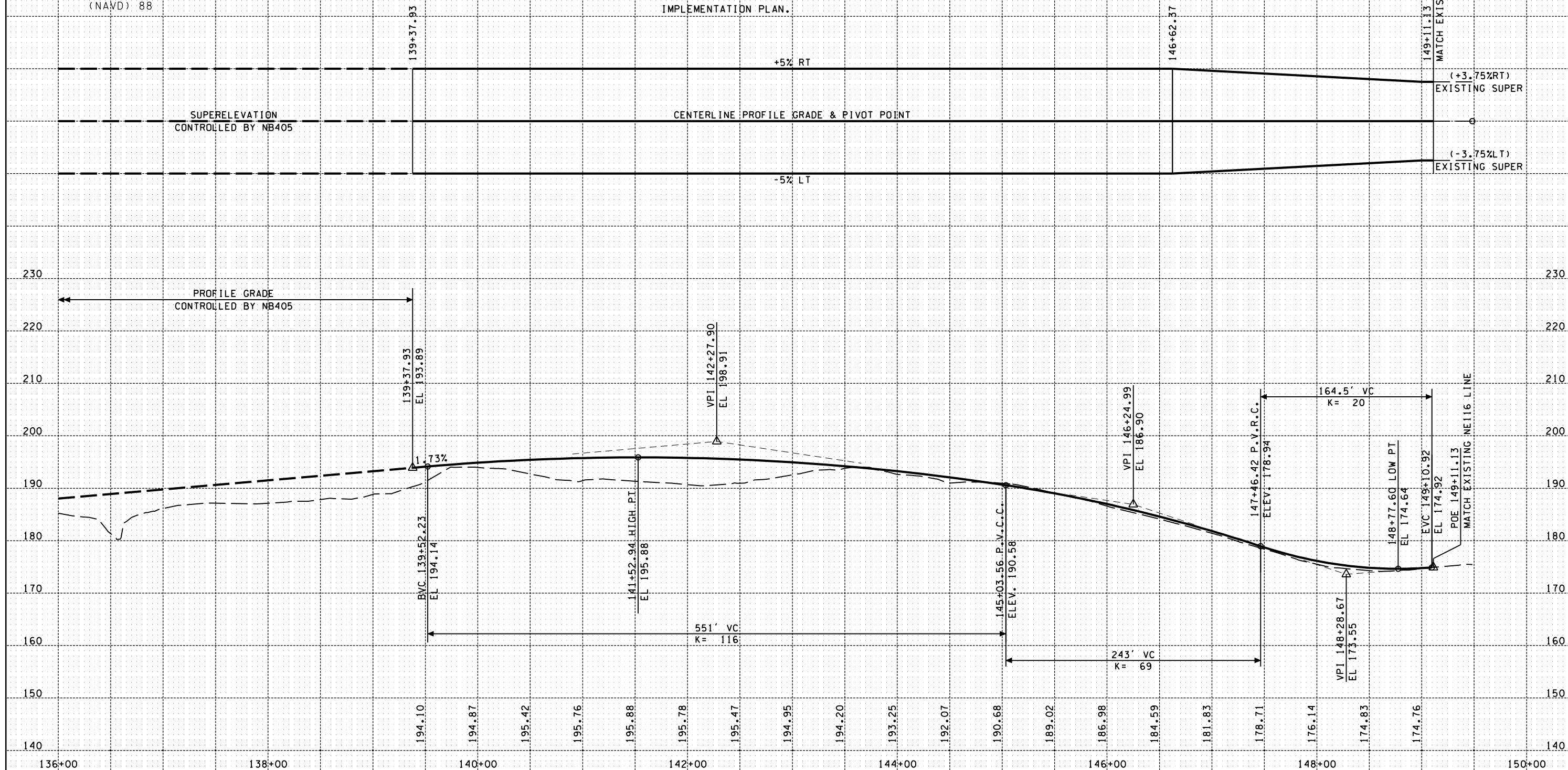
(NAVD) 88

NOTE:  
5% SUPERELEVATION RATE IS SET FOR FORWARD  
COMPATABILITY TO KIRKLAND STAGE 2 AND  
IMPLEMENTATION PLAN.

SUPERELEVATION  
CONTROLLED BY NB405

CENTERLINE PROFILE GRADE & PIVOT POINT

PROFILE GRADE  
CONTROLLED BY NB405



PROFILE FOR NB405-NE116 LINE

JULY 15, 2005

RFP  
CONCEPTUAL PLANS

FILE NAME PW:\Engineering\003\drawings\sheets\3ps158a250c-rp017.stg1.dgn

TIME 11:26:20 AM

DATE 7/13/2005

PLOTTED BY chriss

DESIGNED BY C. BARNETT

ENTERED BY C. SAXE

CHECKED BY W. TAYLOR

PROJ. ENGR. K. HENRY

REGIONAL ADM. D. DYE

REVISION

DATE

BY

REGION NO.	STATE
10	WASH
JOB NUMBER	
CONTRACT NO.	

FED.AID PROJ.NO.

LOCATION NO.

P.E. STAMP BOX

P.E. STAMP BOX

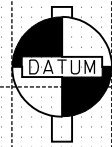


I-405  
SR 520 TO SR 522

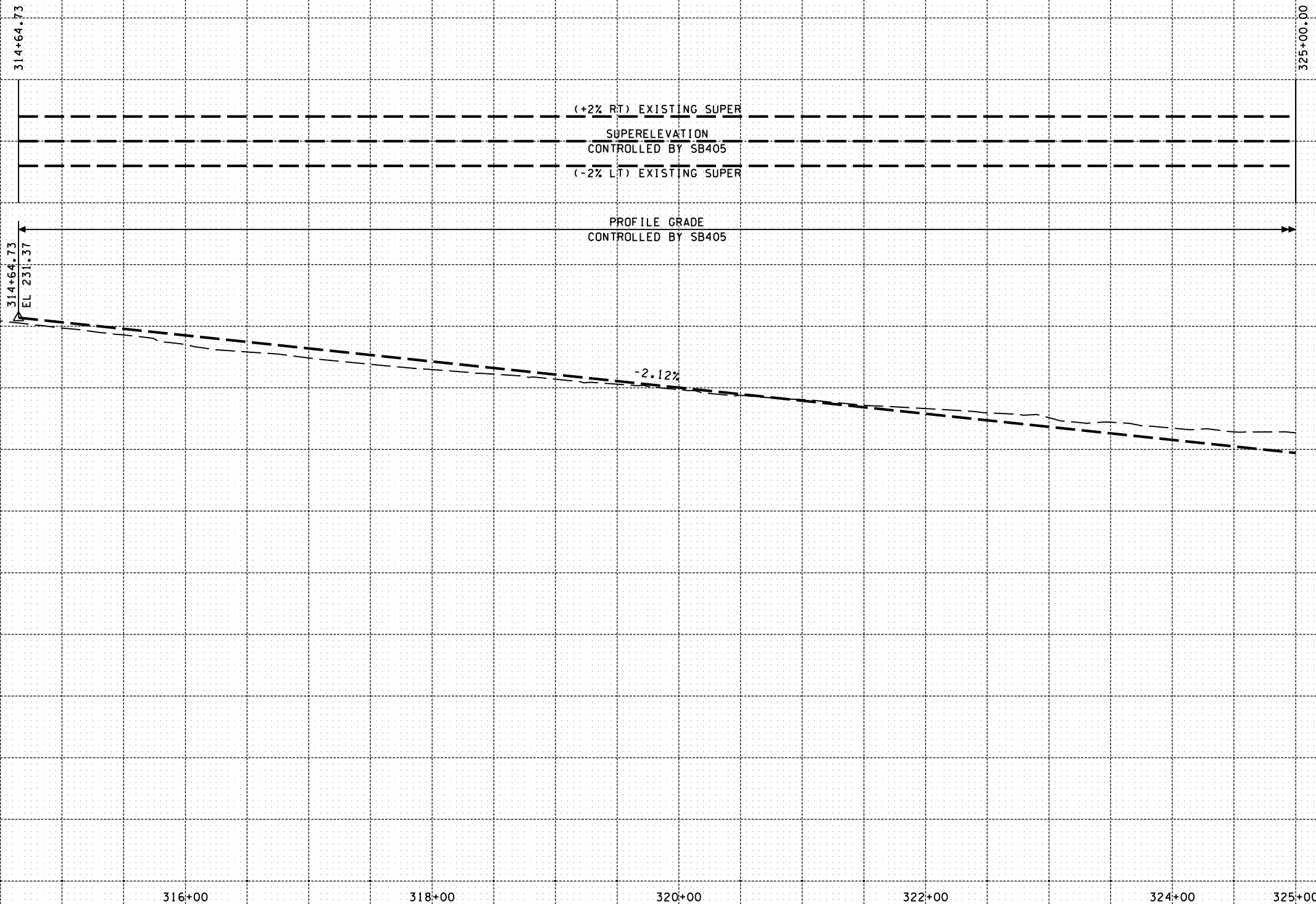
STAGE 1  
PROFILE AND SUPERELEVATION

RP17

SHEET  
31  
OF  
80  
SHEETS



(NAVD) 88



PROFILE FOR NE116-SB405 LINE

JULY 15, 2005  
RFP  
CONCEPTUAL PLANS

FILE NAME PW:\Engineering\003\drawings\sheets\3ps158a250c-rp018.stg1.dgn

TIME 11:26:48 AM

DATE 7/13/2005

PLOTTED BY chriss

DESIGNED BY C. BARNETT

ENTERED BY C. SAXE

CHECKED BY W. TAYLOR

PROJ. ENGR. K. HENRY

REGIONAL ADM. D. DYE

REVISION

DATE

BY

REGION NO.	STATE
10	WASH
JOB NUMBER	
CONTRACT NO.	

FED.AID PROJ.NO.

LOCATION NO.

P.E. STAMP BOX

P.E. STAMP BOX



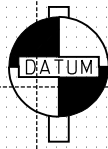
I-405  
SR 520 TO SR 522

STAGE 1

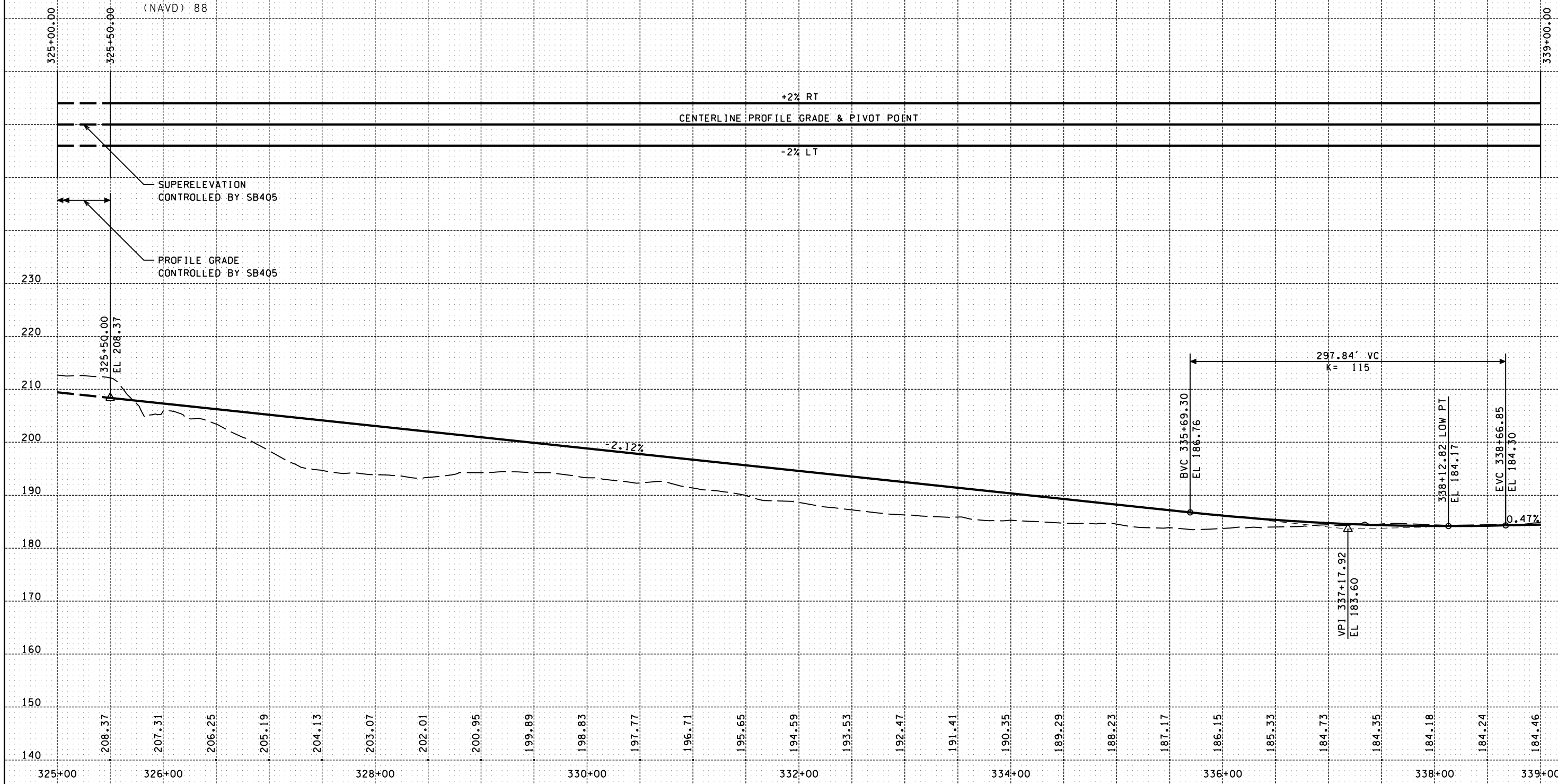
PROFILE AND SUPERELEVATION

RP18

SHEET  
32  
OF  
80  
SHEETS



(NAVD) 88



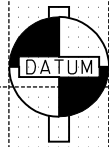
PROFILE FOR NE116-SB405 LINE

JULY 15, 2005  
RFP  
CONCEPTUAL PLANS

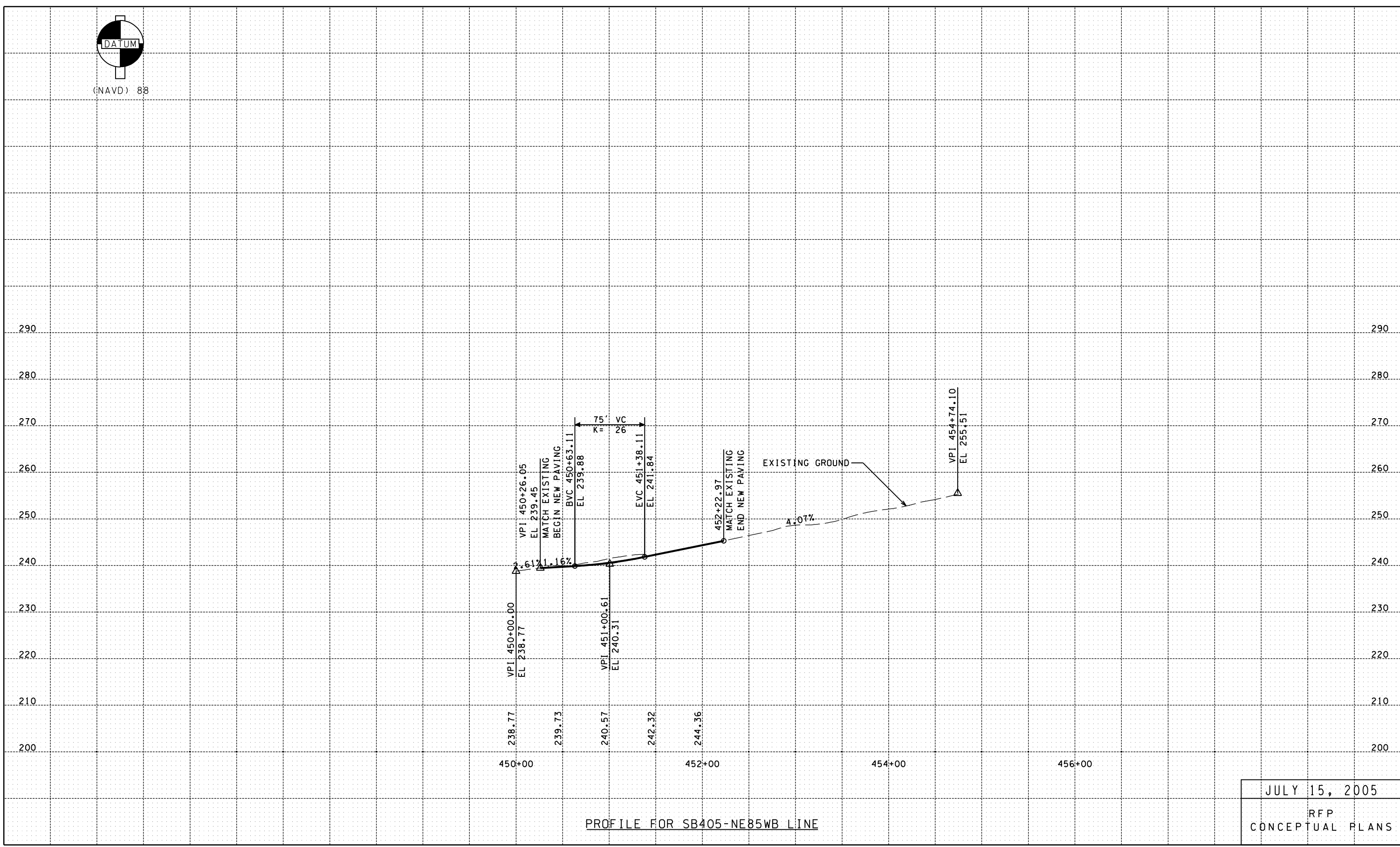
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TIME 11:27:16 AM				DATE 7/13/2005		PLOTTER BY chriss		DESIGNED BY C. BARNETT	
ENTERED BY C. SAXE				CHECKED BY W. TAYLOR		PROJ. ENGR. K. HENRY		REGIONAL ADM. D. DYE	
REVISION				DATE		BY		CONTRACT NO.	
LOCATION NO.				DATE		P.E. STAMP BOX		DATE	
INTERSTATE 405 Project Team				Washington State Department of Transportation		I-405 SR 520 TO SR 522		STAGE 1	
PROFILE AND SUPERELEVATION				RP19		SHEET 33 OF 80 SHEETS			







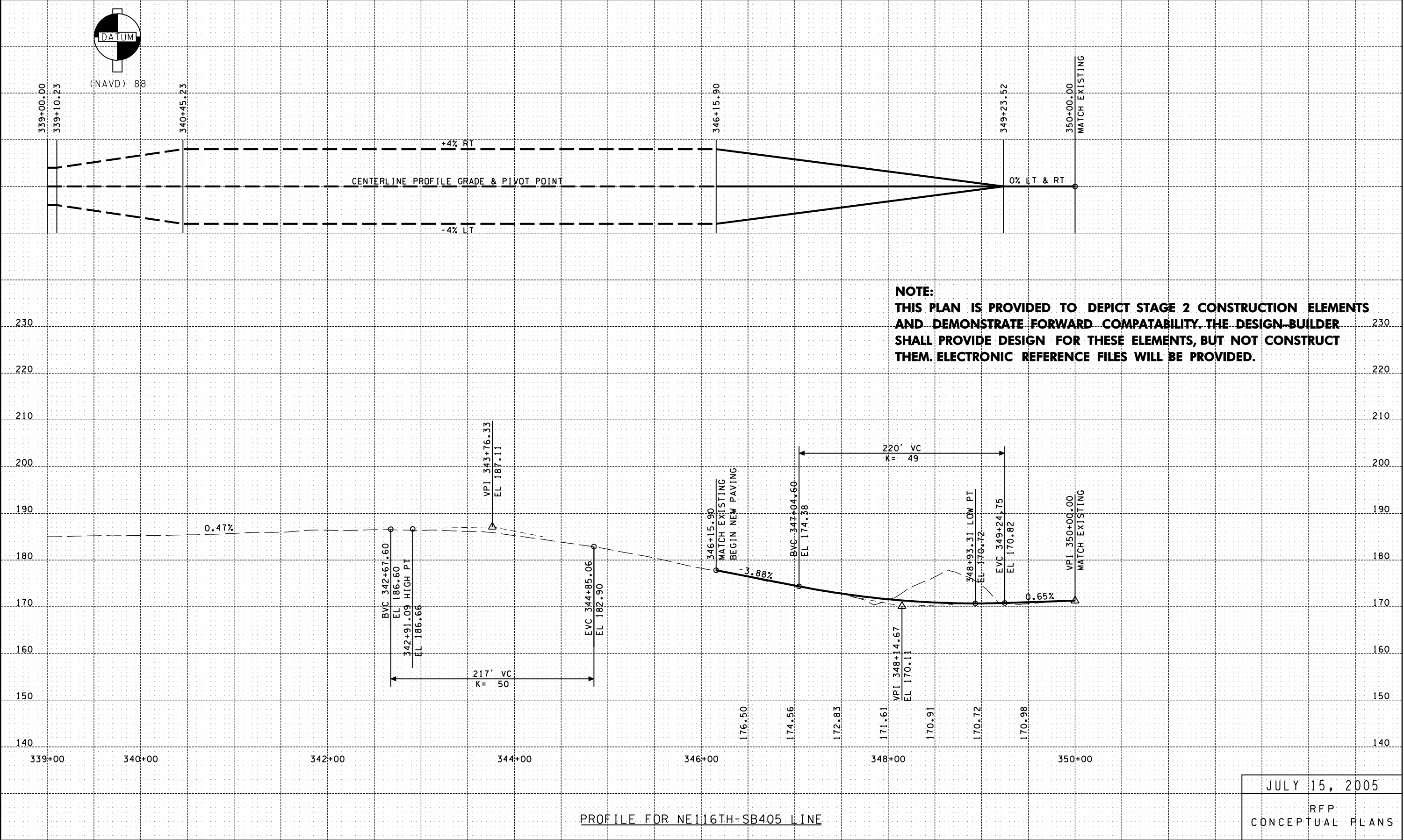
(NAVD) 88



PROFILE FOR SB405-NE85WB LINE

JULY 15, 2005  
RFP  
CONCEPTUAL PLANS

FILE NAME PW:\Engineering\003\drawings\sheets\3ps158a250c_rp021.stg1.dgn				REGION NO. STATE		FED.AID PROJ.NO.				I-405		RP21
TIME 11:28:13 AM				10 WASH		SR 520 TO SR 522						
DATE 7/13/2005				JOB NUMBER				STAGE 1		SHEET 35 OF 80 SHEETS		
DESIGNED BY C. BARNETT				CONTRACT NO.		LOCATION NO.		PROFILE AND SUPERELEVATION				
ENTERED BY C. SAXE												
CHECKED BY W. TAYLOR												
PROJ. ENGR. K. HENRY												
REGIONAL ADM. D. DYE		REVISION		DATE		BY						



FILE NAME PW:\Engineering\003\drawings\sheets\3ps158a250c-rp022.stg1.dgn

TIME 11:28:42 AM

DATE 7/13/2005

PLOTTED BY chriss

DESIGNED BY C. BARNETT

ENTERED BY C. SAXE

CHECKED BY W. TAYLOR

PROJ. ENGR. K. HENRY

REGIONAL ADM. D. DYE

REVISION

DATE

BY

REGION  
NO.

10

WASH

JOB NUMBER

.

CONTRACT NO.

.

STATE

WASH

FED.AID PROJ.NO.

LOCATION NO.

P.E. STAMP BOX

DATE

P.E. STAMP BOX

DATE



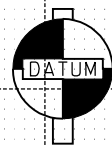
I-405  
SR 520 TO SR 522

STAGE 2

PROFILE AND SUPERELEVATION

RP22

SHEET  
36  
OF  
80  
SHEETS



(NAVD) 88

SUPERELEVATION  
CONTROLLED BY NB405

CENTERLINE PROFILE GRADE & PIVOT POINT

+5% RT

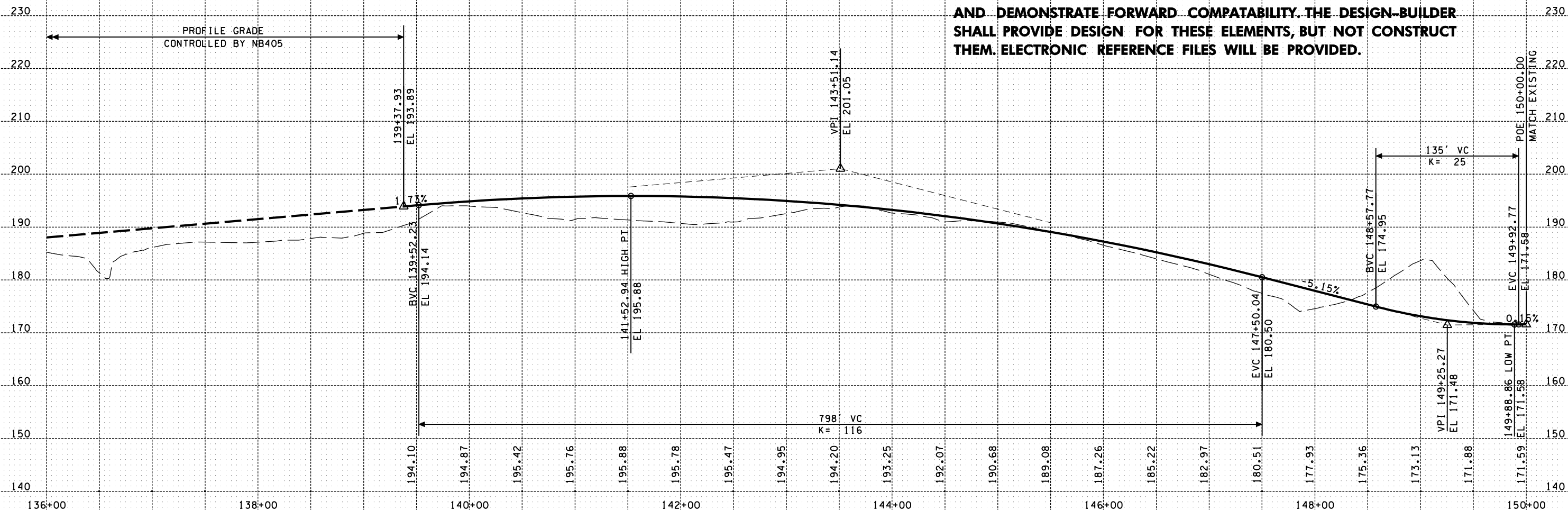
-5% LT

(+4.38%RT)  
EXISTING  
SUPER

(-4.38%LT)  
EXISTING  
SUPER

**NOTE:**  
THIS PLAN IS PROVIDED TO DEPICT STAGE 2 CONSTRUCTION ELEMENTS  
AND DEMONSTRATE FORWARD COMPATABILITY. THE DESIGN-BUILDER  
SHALL PROVIDE DESIGN FOR THESE ELEMENTS, BUT NOT CONSTRUCT  
THEM. ELECTRONIC REFERENCE FILES WILL BE PROVIDED.

PROFILE GRADE  
CONTROLLED BY NB405



PROFILE FOR NB405-NE116 LINE

JULY 15, 2005

RFP  
CONCEPTUAL PLANS

FILE NAME PW:\Engineering\003\drawings\sheets\3ps158a250c-rp023.stg1.dgn

TIME 11:29:11 AM

DATE 7/13/2005

PLOTTED BY chriss

DESIGNED BY C. BARNETT

ENTERED BY C. SAXE

CHECKED BY W. TAYLOR

PROJ. ENGR. K. HENRY

REGIONAL ADM. D. DYE

REVISION

DATE

BY

REGION NO.	STATE
10	WASH
JOB NUMBER	
CONTRACT NO.	

FED.AID PROJ.NO.

LOCATION NO.

P.E. STAMP BOX

P.E. STAMP BOX

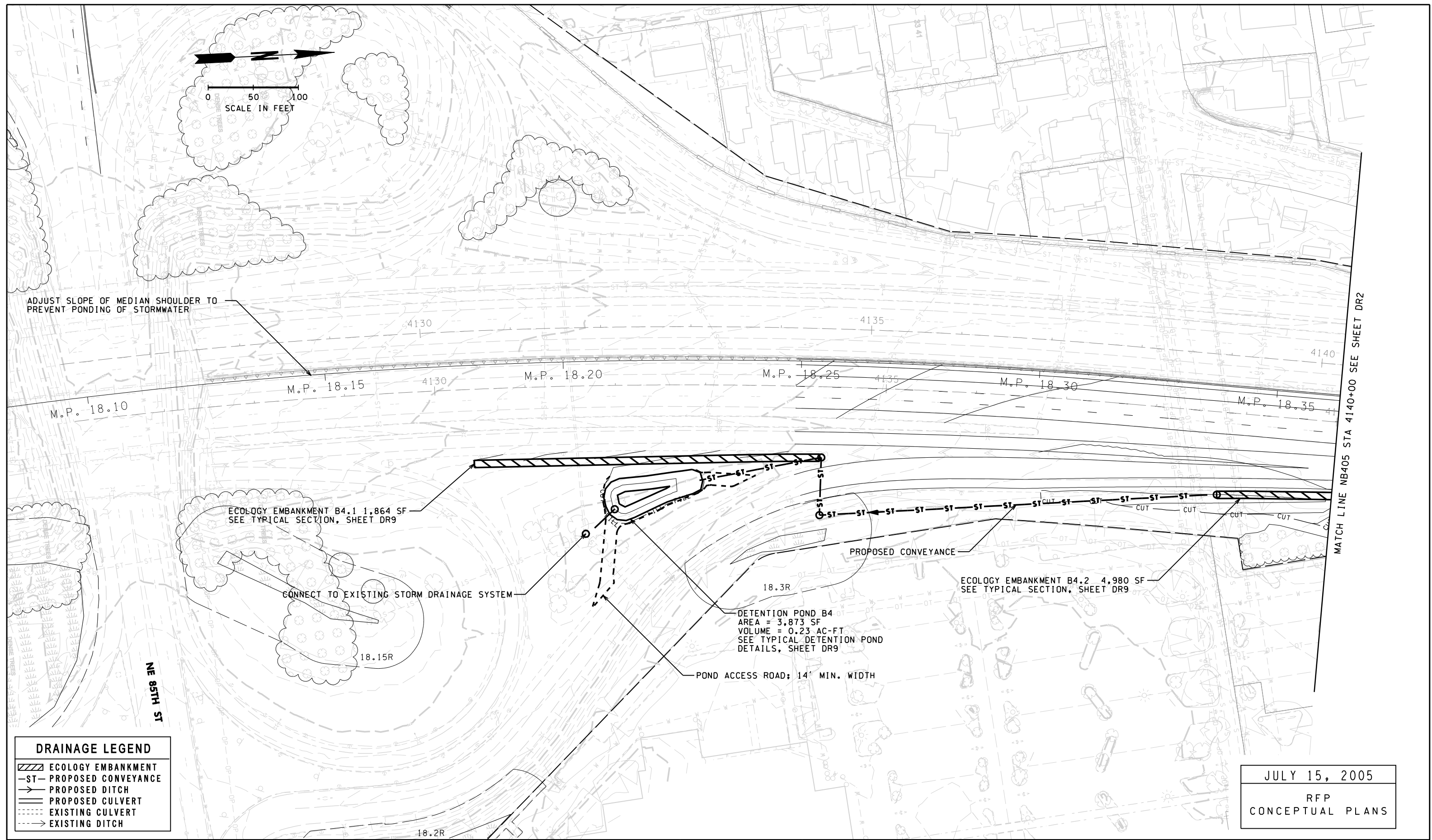


I-405  
SR 520 TO SR 522

STAGE 2  
PROFILE AND SUPERELEVATION

RP23

SHEET  
37  
OF  
80  
SHEETS



DRAINAGE LEGEND	
	ECOLOGY EMBANKMENT
	PROPOSED CONVEYANCE
	PROPOSED DITCH
	PROPOSED CULVERT
	EXISTING CULVERT
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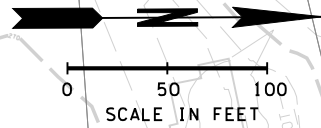
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ENTERED BY E. MENDEL					
CHECKED BY W. TAYLOR					
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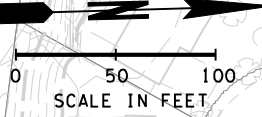
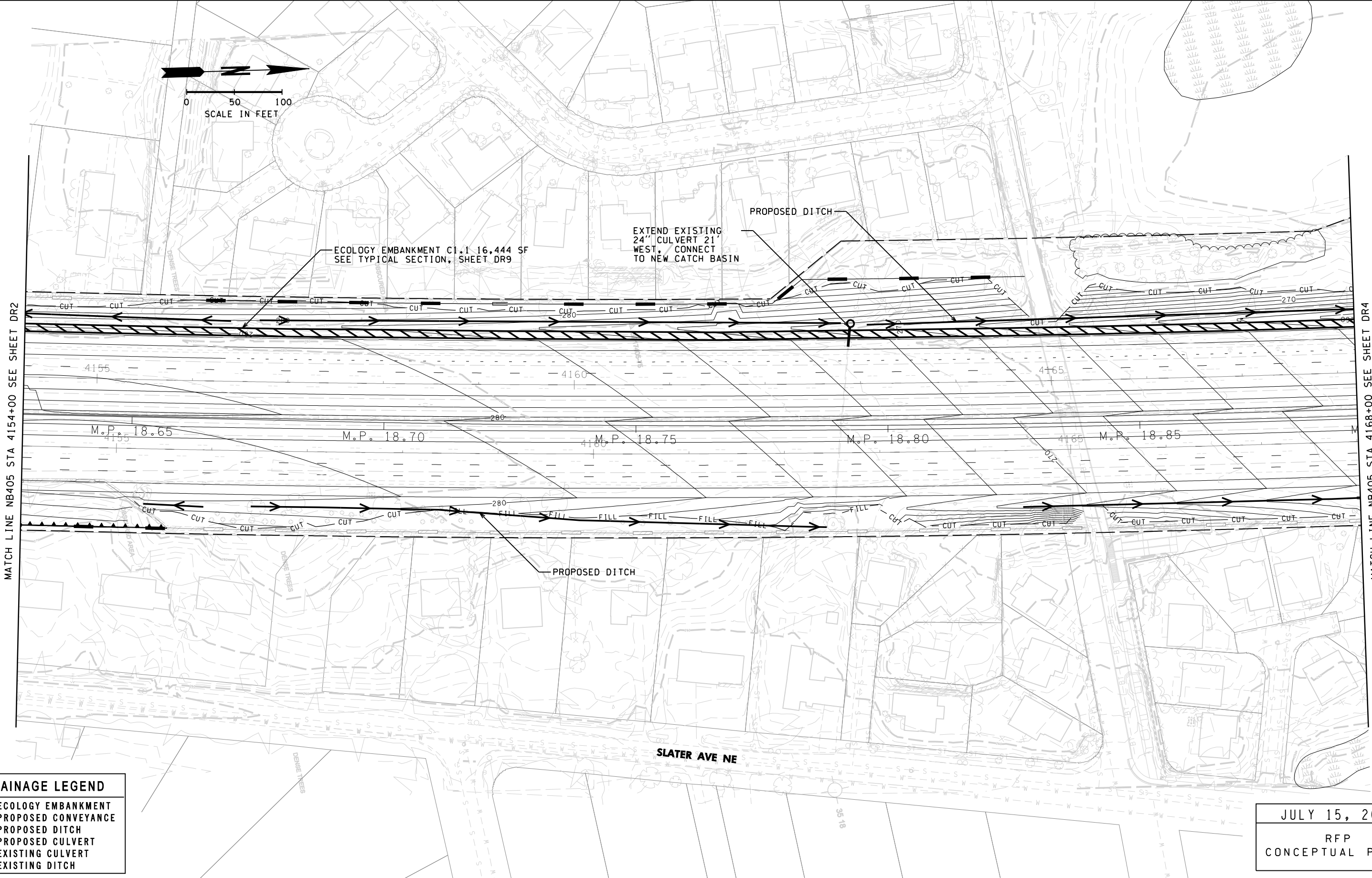
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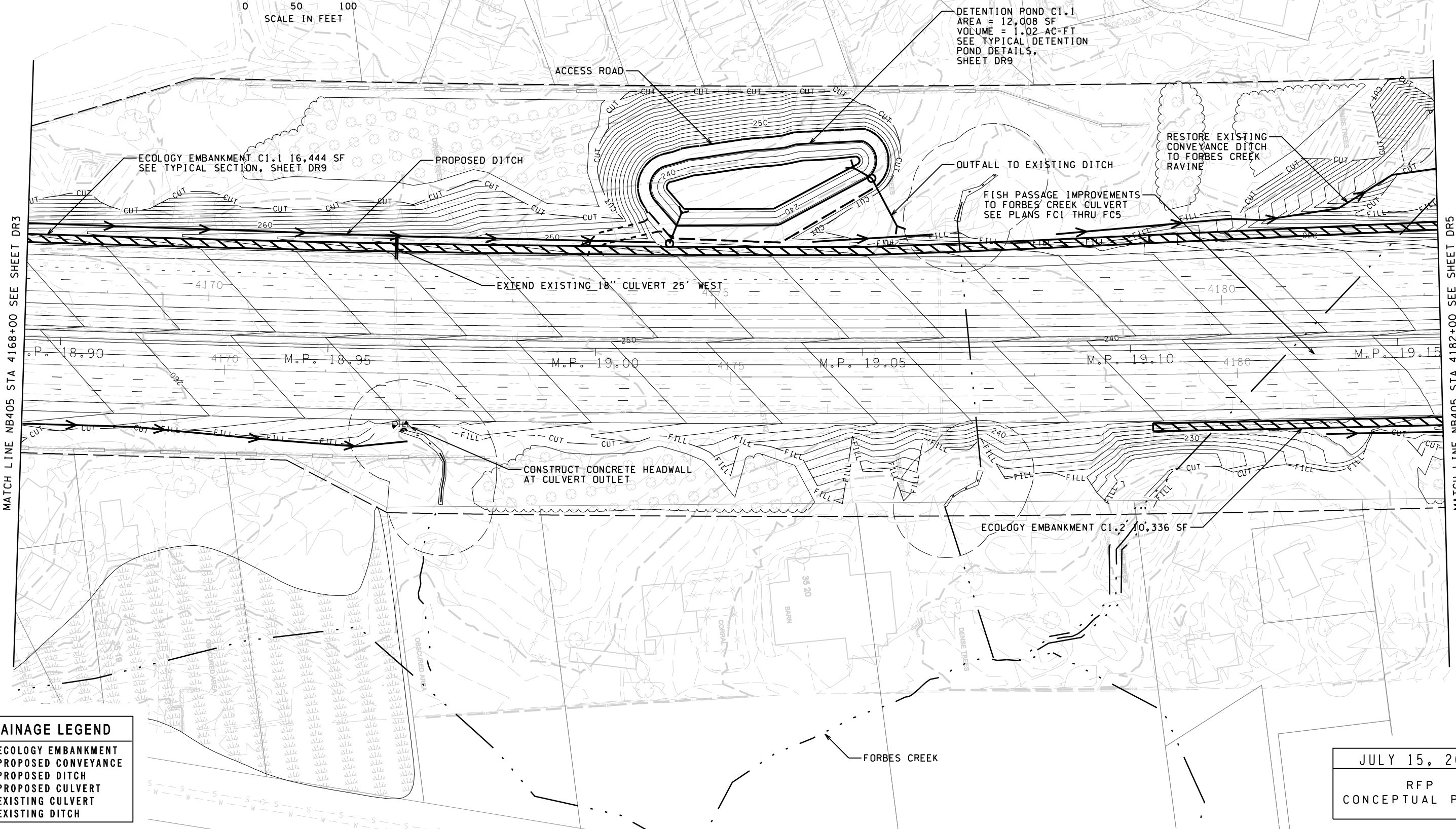
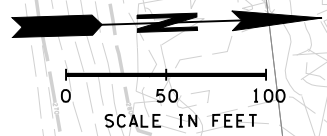


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CHECKED BY W. TAYLOR												
PROJ. ENGR. K. HENRY												
REGIONAL ADM. D. DYE			REVISION		DATE	BY	P.E. STAMP BOX		P.E. STAMP BOX			



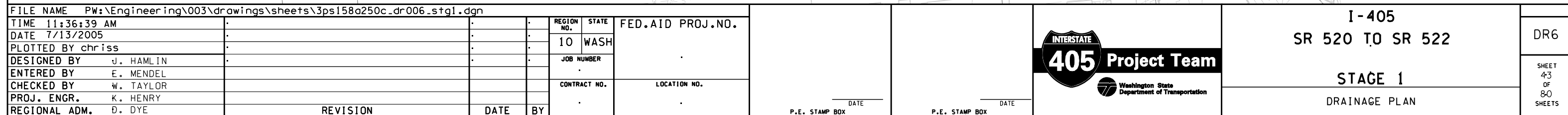


DRAINAGE LEGEND	
	ECOLOGY EMBANKMENT
	PROPOSED CONVEYANCE
	PROPOSED DITCH
	PROPOSED CULVERT
	EXISTING CULVERT
	EXISTING DITCH

JULY 15, 2005  
RFP  
CONCEPTUAL PLANS

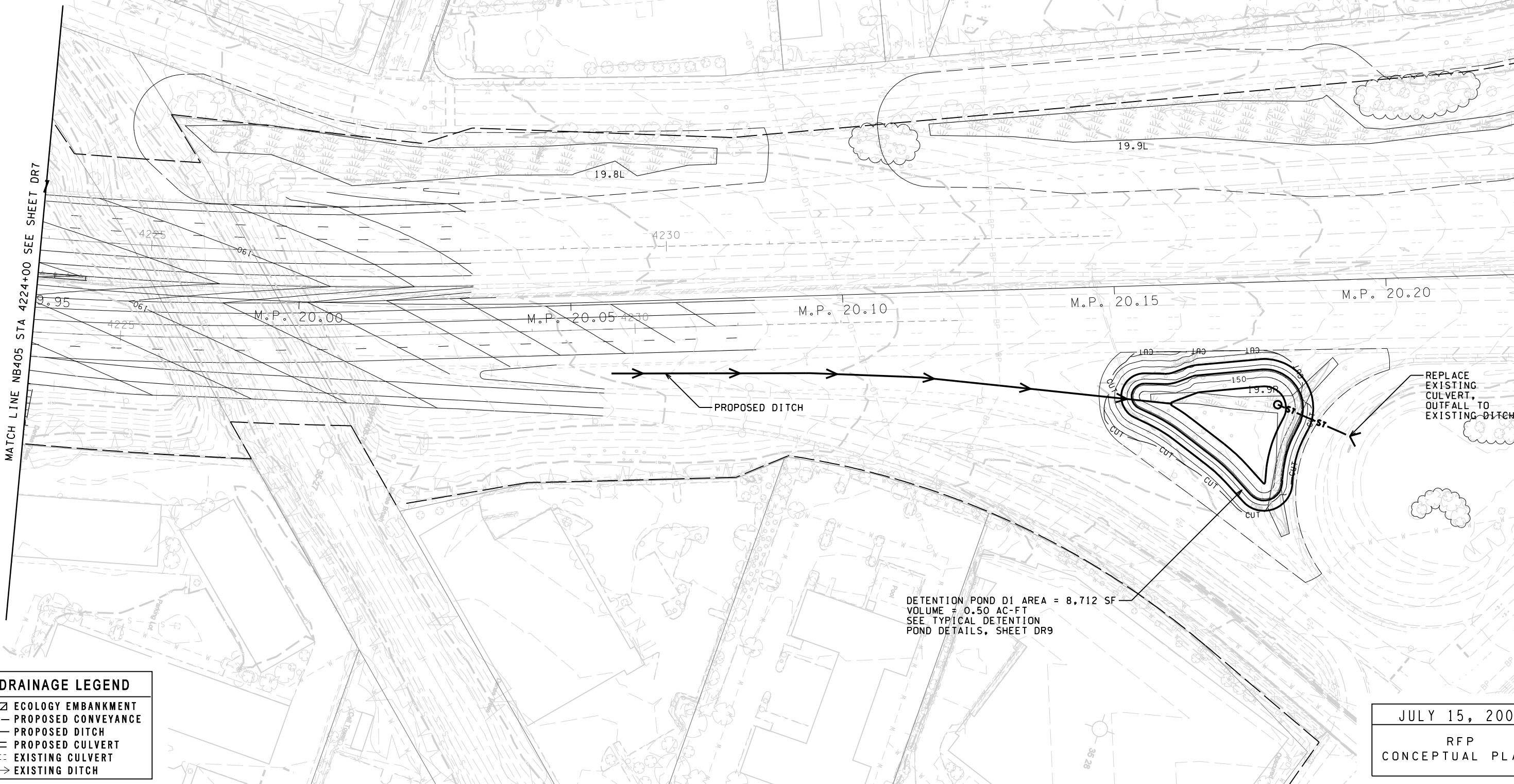
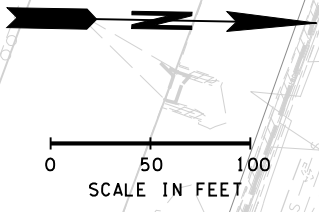
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TIME 11:34:08 AM						REGION NO.		STATE		FED.AID PROJ.NO.								SHEET 41 OF 80 SHEETS	
DATE 7/13/2005						10		WASH											
PLOTTED BY chriss																			
DESIGNED BY J. HAMLIN								JOB NUMBER											
ENTERED BY E. MENDEL																			
CHECKED BY W. TAYLOR								CONTRACT NO.		LOCATION NO.									
PROJ. ENGR. K. HENRY																			
REGIONAL ADM. D. DYE																			
		REVISION		DATE		BY													
										DATE		DATE							
										P.E. STAMP BOX		P.E. STAMP BOX							







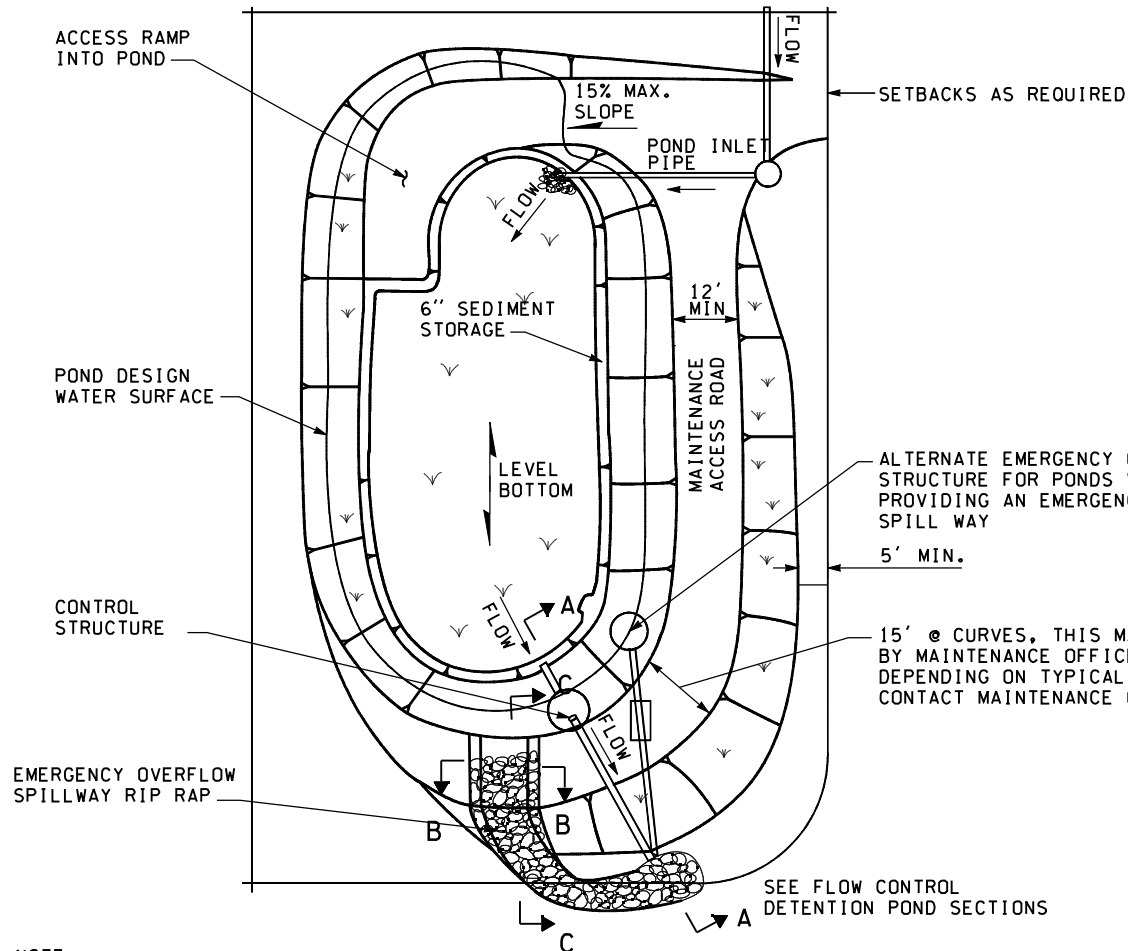




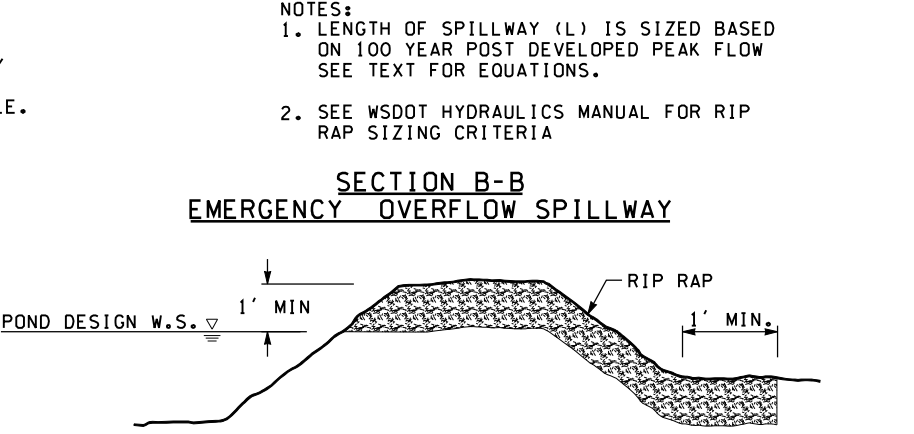
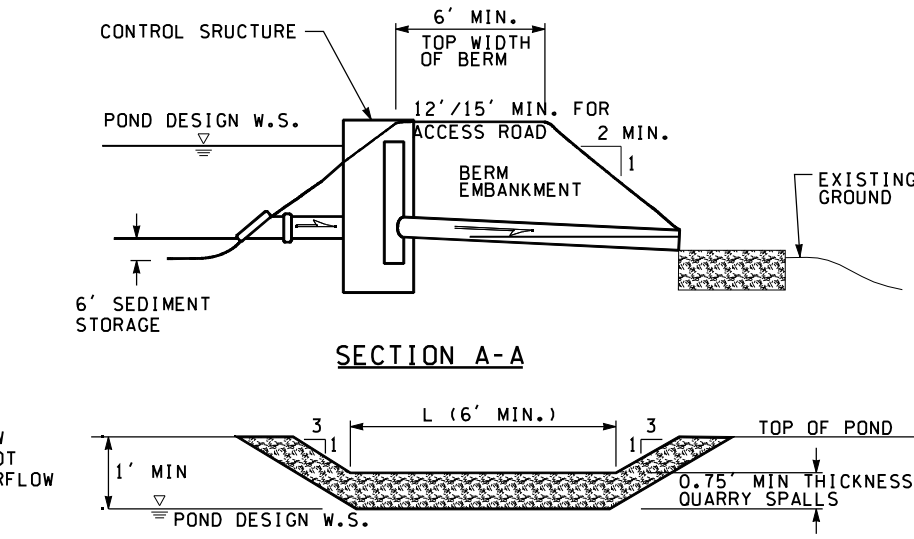
DRAINAGE LEGEND	
	ECOLOGY EMBANKMENT
	ST- PROPOSED CONVEYANCE
	PROPOSED DITCH
	PROPOSED CULVERT
	EXISTING CULVERT
	EXISTING DITCH

JULY 15, 2005  
RFP  
CONCEPTUAL PLANS

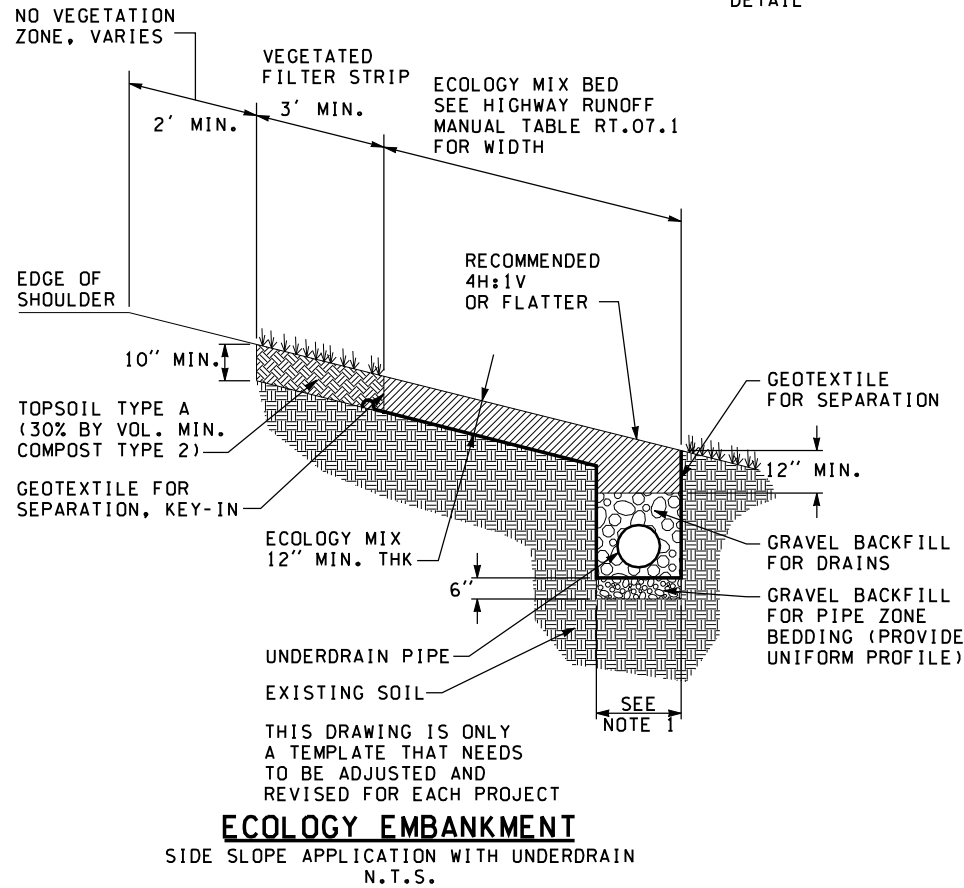
FILE NAME PW:\Engineering\003\drawings\sheets\3ps158a250c_dr008.stg1.dgn				REGION NO. STATE		FED.AID PROJ.NO.				I - 405 SR 520 TO SR 522		DR8	
TIME 11:39:05 AM				10 WASH						STAGE 1		SHEET 45 OF 80 SHEETS	
DATE 7/13/2005				JOB NUMBER						DRAINAGE PLAN			
PLOTTED BY chriss				CONTRACT NO.		LOCATION NO.							
DESIGNED BY J. HAMLIN													
ENTERED BY E. MENDEL													
CHECKED BY W. TAYLOR													
PROJ. ENGR. K. HENRY													
REGIONAL ADM. D. DYE		REVISION		DATE		BY		P.E. STAMP BOX		P.E. STAMP BOX			



**FLOW CONTROL DETENTION POND PLAN**  
N.T.S.



**FLOW CONTROL DETENTION POND SECTION**  
N.T.S.



- NOTES:
1. SEE WSDOT STANDARD SPECIFICATIONS 7-08 SEE WSDOT STANDARD PLAN B-11
  2. USE LATEST DETAIL

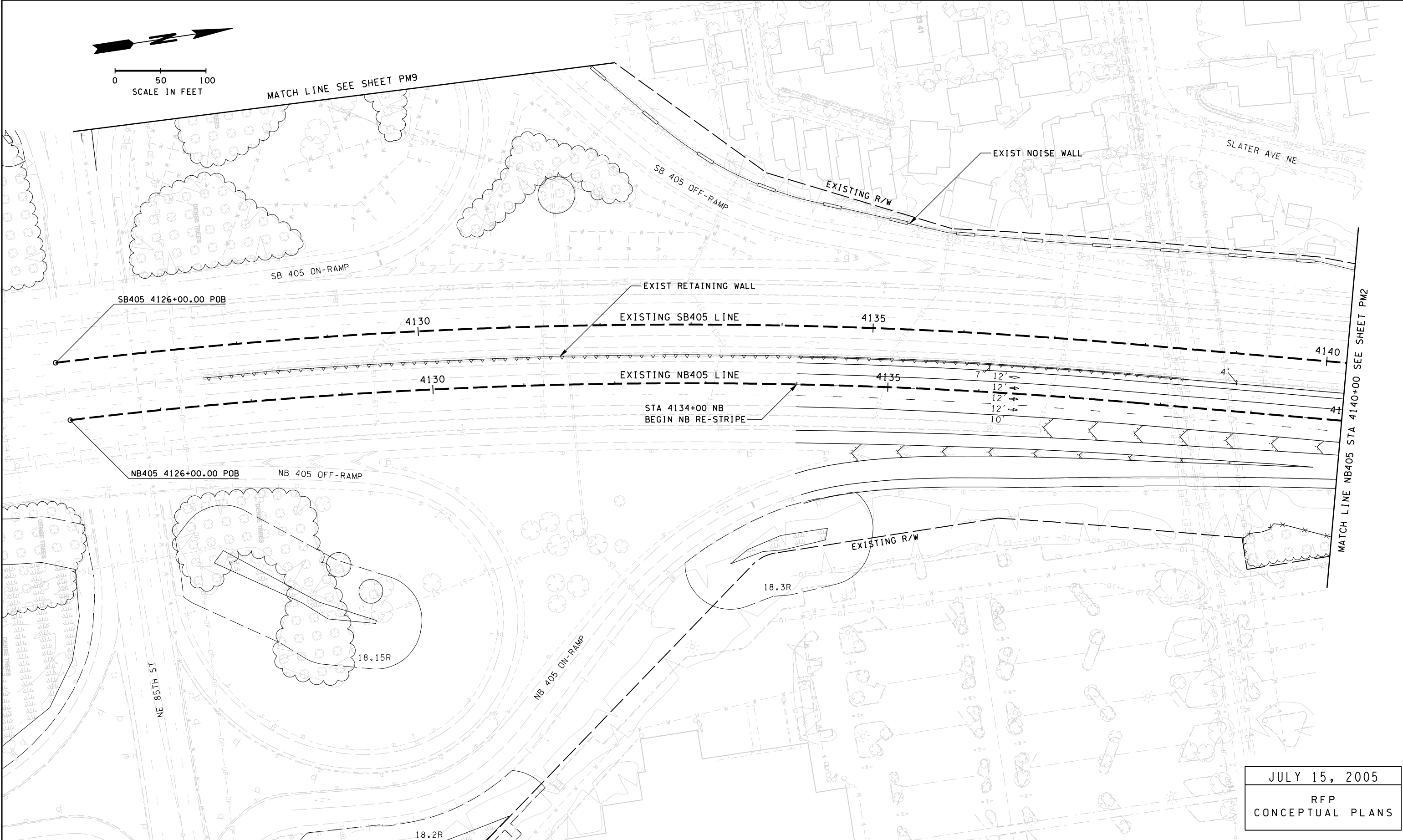
JULY 15, 2005

RFP


CONCEPTUAL PLANS

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TIME 11:39:32 AM		.		.		.		REGION NO.		STATE		FED.AID PROJ.NO.				SHEET 46 OF 80 SHEETS			
DATE 7/13/2005		.		.		.		10		WASH									
PLOTTED BY chriss		.		.		.		JOB NUMBER		.									
DESIGNED BY J. HAMLIN		.		.		.		CONTRACT NO.		.		LOCATION NO.							
ENTERED BY E. MENDEL		.		.		.													
CHECKED BY W. TAYLOR		.		.		.													
PROJ. ENGR. K. HENRY		.		.		.													
REGIONAL ADM. D. DYE		.		.		.													
REVISION		DATE		BY															
										DATE		DATE							
P.E. STAMP BOX										P.E. STAMP BOX									

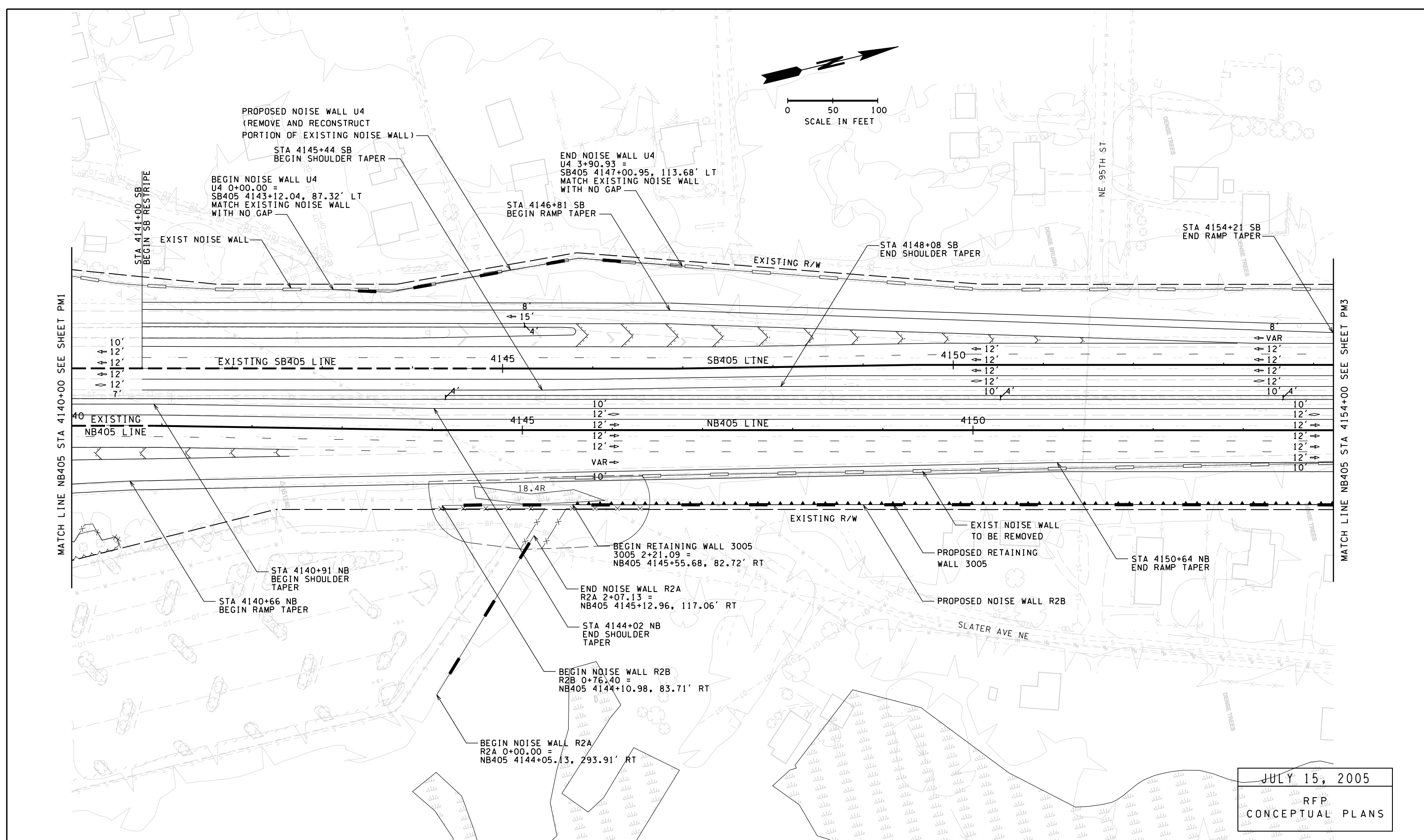




JULY 15, 2005  
RFP  
CONCEPTUAL PLANS

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TIME 11:40:48 AM												SR 520 TO SR 522					
DATE 7/13/2005																	
PLOTTED BY chriss																	
DESIGNED BY C. BARNETT																	
ENTERED BY C. SAXE																	
CHECKED BY W. TAYLOR																	
PROJ. ENGR. K. HENRY														STAGE 1			
REGIONAL ADM. D. DYE														PAVEMENT MARKING PLAN			
		REVISION		DATE		BY											



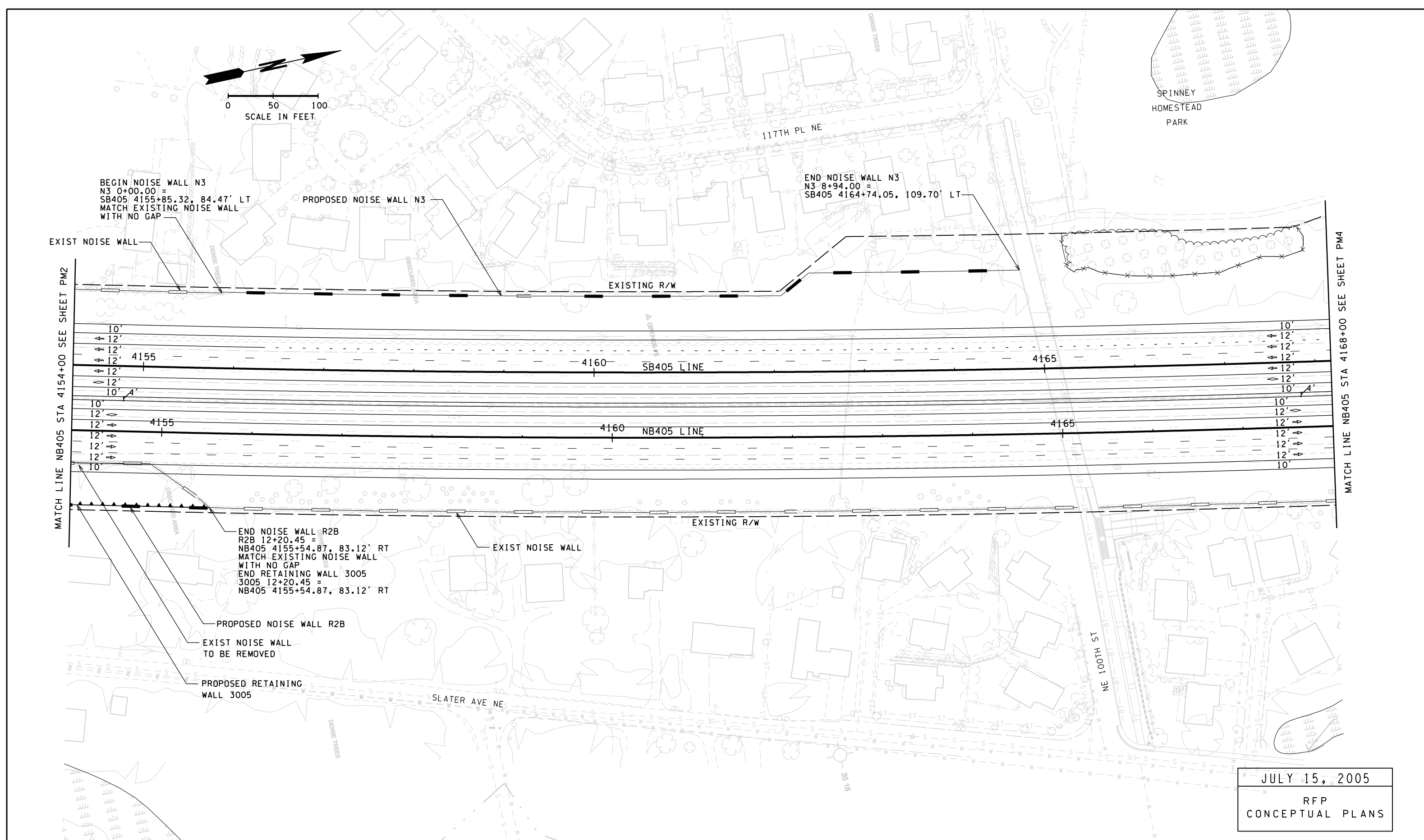




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TIME 11:41:41 AM																					
DATE 7/13/2005										10	WASH										
PLOTTED BY chriss																					
DESIGNED BY C. BARNETT																					
ENTERED BY C. SAXE																					
CHECKED BY W. TAYLOR																					
PROJ. ENGR. K. HENRY																					
REGIONAL ADM. D. DYE																					
REVISION										DATE		BY		CONTRACT NO.		LOCATION NO.		DATE		P.E. STAMP BOX	
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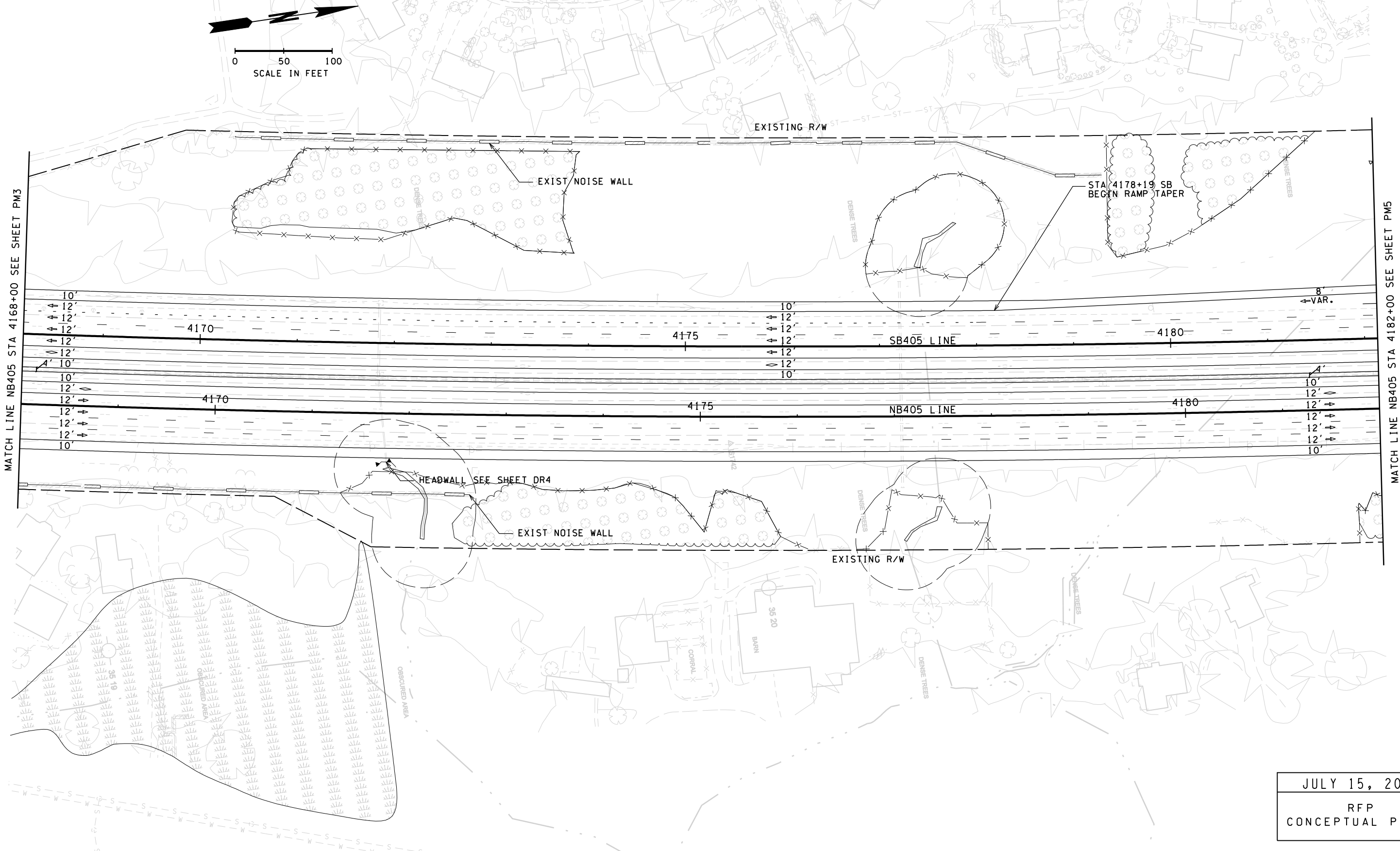
Washington State Department of Transportation	
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STAGE 1	
PAVEMENT MARKING PLAN	

SHEET 48 OF 80 SHEETS	
-----------------------------------	--

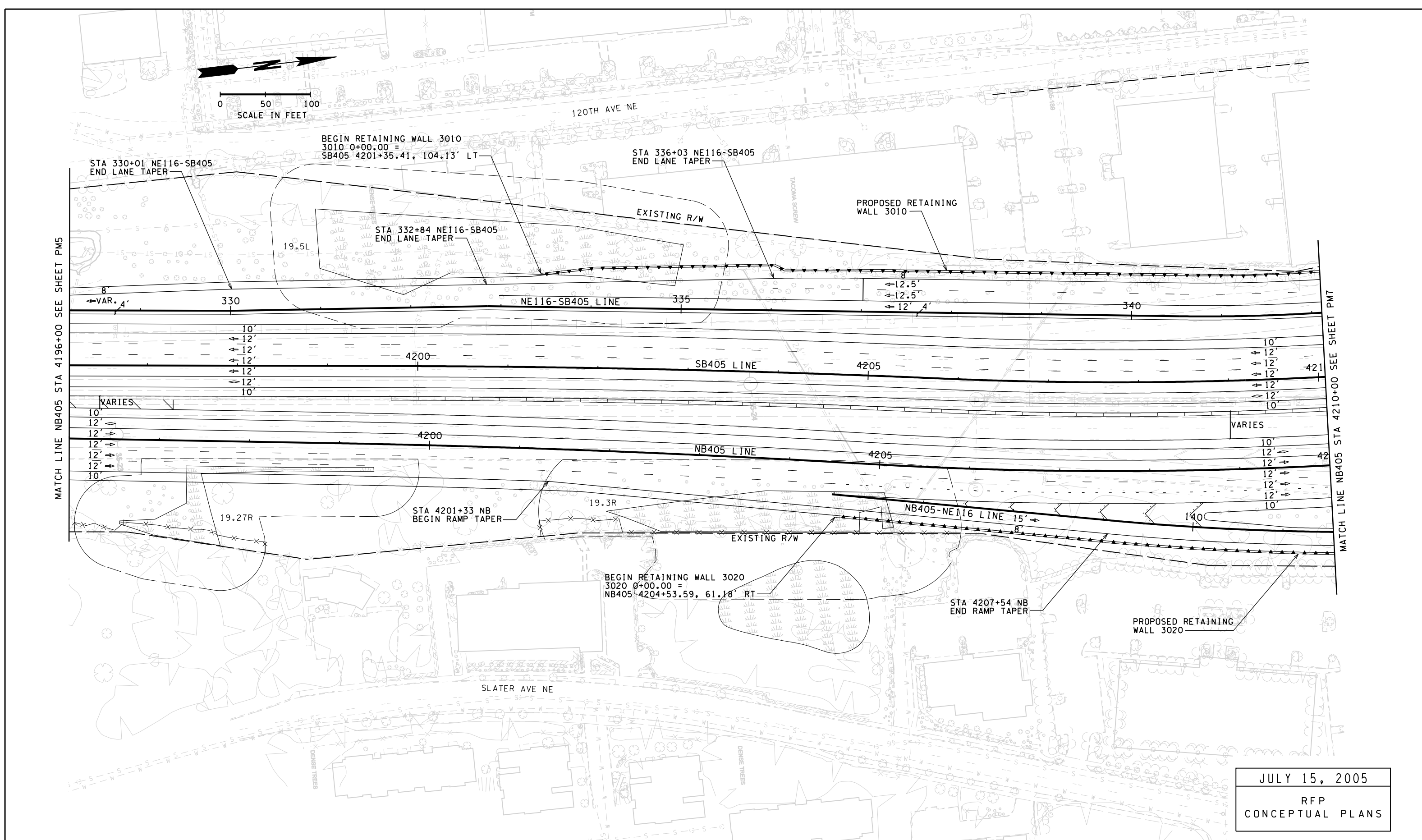



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DATE 7/13/2005				10	WASH									STAGE 1				SHEET 49 OF 80 SHEETS		
PLOTTED BY chriss				JOB NUMBER																
DESIGNED BY C. BARNETT																				
ENTERED BY C. SAXE				CONTRACT NO.		LOCATION NO.														
CHECKED BY W. TAYLOR																				
PROJ. ENGR. K. HENRY																				
REGIONAL ADM. D. DYE																				
REVISION			DATE	BY					DATE		DATE				PAVEMENT MARKING PLAN					
									P.E. STAMP BOX		P.E. STAMP BOX									



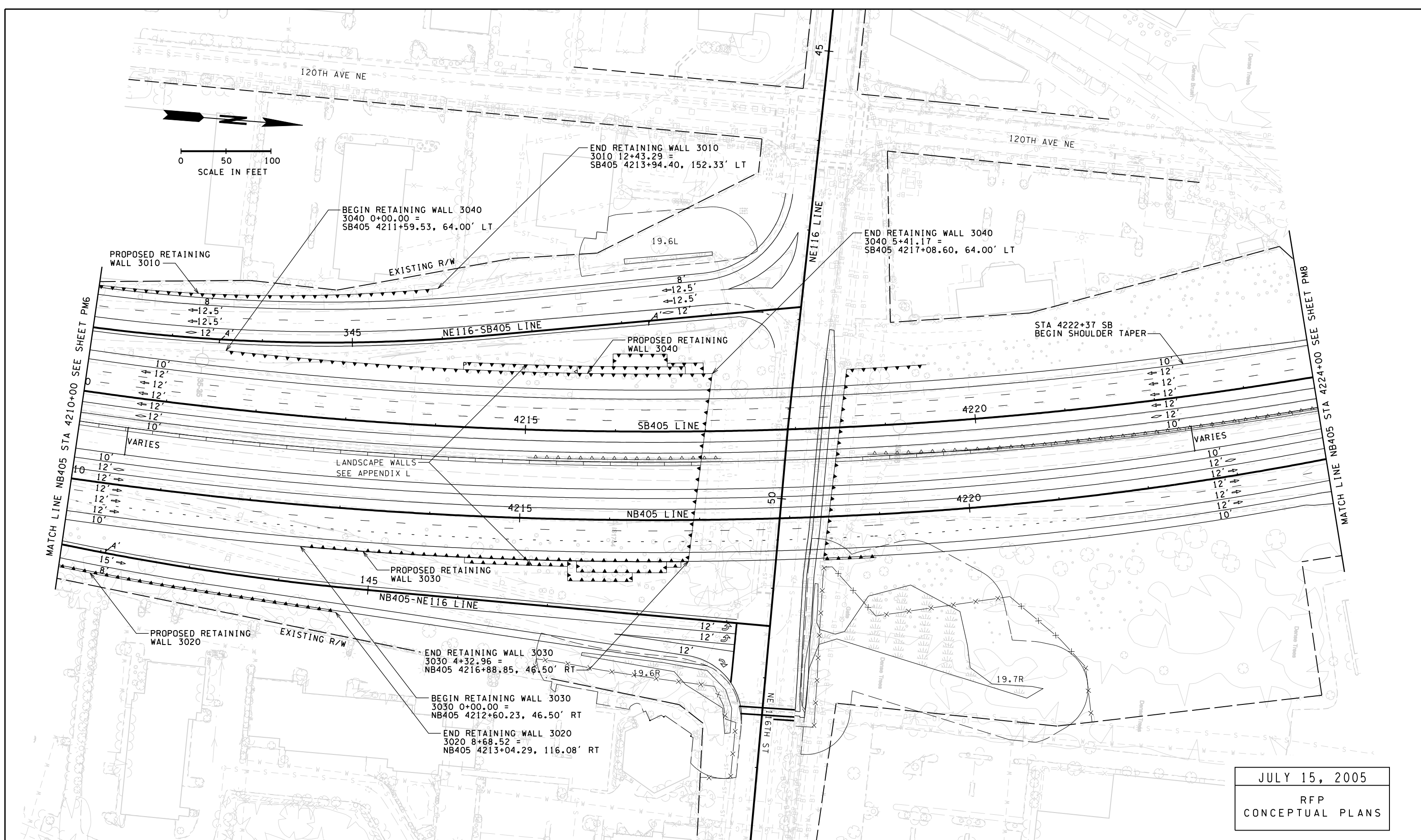
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TIME 11:43:28 AM						REGION NO.		STATE		FED.AID PROJ.NO.		PM4							
DATE 7/13/2005						10		WASH											
PLOTTED BY chriss																			
DESIGNED BY C. BARNETT						JOB NUMBER													
ENTERED BY C. SAXE																			
CHECKED BY W. TAYLOR						CONTRACT NO.		LOCATION NO.											
PROJ. ENGR. K. HENRY																			
REGIONAL ADM. D. DYE		REVISION		DATE		BY								SHEET 50 OF 80 SHEETS					
										DATE		DATE							
										P.E. STAMP BOX		P.E. STAMP BOX							






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DATE 7/13/2005				10	WASH														
PLOTTED BY chriss				JOB NUMBER															
DESIGNED BY C. BARNETT				CONTRACT NO.		LOCATION NO.													
ENTERED BY C. SAXE																			
CHECKED BY W. TAYLOR																			
PROJ. ENGR. K. HENRY																			
REGIONAL ADM. D. DYE																			
REVISION			DATE	BY					DATE		DATE								
				P.E. STAMP BOX		P.E. STAMP BOX													





FILE NAME PW:\Engineering\003\drawings\sheets\3ps158a250c_ch007_stg1.dgn														<div><div>INTERSTATE</div><div>405 Project Team</div><div>Washington State Department of Transportation</div></div>		I - 405		PM7
TIME 11:46:13 AM					REGION NO.	STATE	FED.AID PROJ.NO.			SR 520 TO SR 522								
DATE 7/13/2005					10	WASH						STAGE 1		SHEET 53 OF 80 SHEETS				
PLOTTED BY chriss					JOB NUMBER													
DESIGNED BY C. BARNETT					CONTRACT NO.		LOCATION NO.											
ENTERED BY C. SAXE																		
CHECKED BY W. TAYLOR																		
PROJ. ENGR. K. HENRY																		
REGIONAL ADM. D. DYE																		
REVISION				DATE	BY					DATE		DATE		PAVEMENT MARKING PLAN				
							P.E. STAMP BOX				P.E. STAMP BOX							

SW	5'	11'	11'	11'	11'	11'	5'	4'	8'
	BL	LN	LN	LN	LN	LN	BL	PB	SW

SECTION A

10'	5'	11'	11'	11'	11'	11'	5'	8'
SW	BL	LN	LN	LN	LN	LN	BL	SW

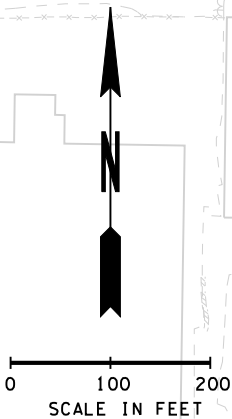
SECTION B

MEDIAN VARIES

SW	5'	11'	11'	11'	11'	4'	12'	4'	5'
	BL	LN	LN	LN	LN	BL	LN	PB	SW

SECTION C

NE 116TH ST



NOTE:  
THIS PLAN IS PROVIDED TO DEPICT STAGE 2 CONSTRUCTION ELEMENTS  
AND DEMONSTRATE FORWARD COMPATABILITY. THE DESIGN-BUILDER  
SHALL PROVIDE DESIGN FOR THESE ELEMENTS, BUT NOT CONSTRUCT  
THEM. ELECTRONIC REFERENCE FILES WILL BE PROVIDED.

BNSF

120TH AVE NE

SB 405

NB 405

SLATER AVE NE

124TH AVE NE

JULY 15, 2005  
RFP  
CONCEPTUAL PLANS

FILE NAME PW:\Engineering\003\drawings\sheets\3ps158a250c\_116th.stg2.dgn

TIME 11:46:57 AM					
DATE 7/13/2005					
PLOTTED BY chriss					
DESIGNED BY C. BARNETT					
ENTERED BY C. SAXE					
CHECKED BY W. TAYLOR					
PROJ. ENGR. K. HENRY					
REGIONAL ADM. D. DYE					
REVISION	DATE	BY			

REGION NO.	STATE
10	WASH
JOB NUMBER	
CONTRACT NO.	

FED.AID PROJ.NO.
LOCATION NO.

P.E. STAMP BOX

P.E. STAMP BOX



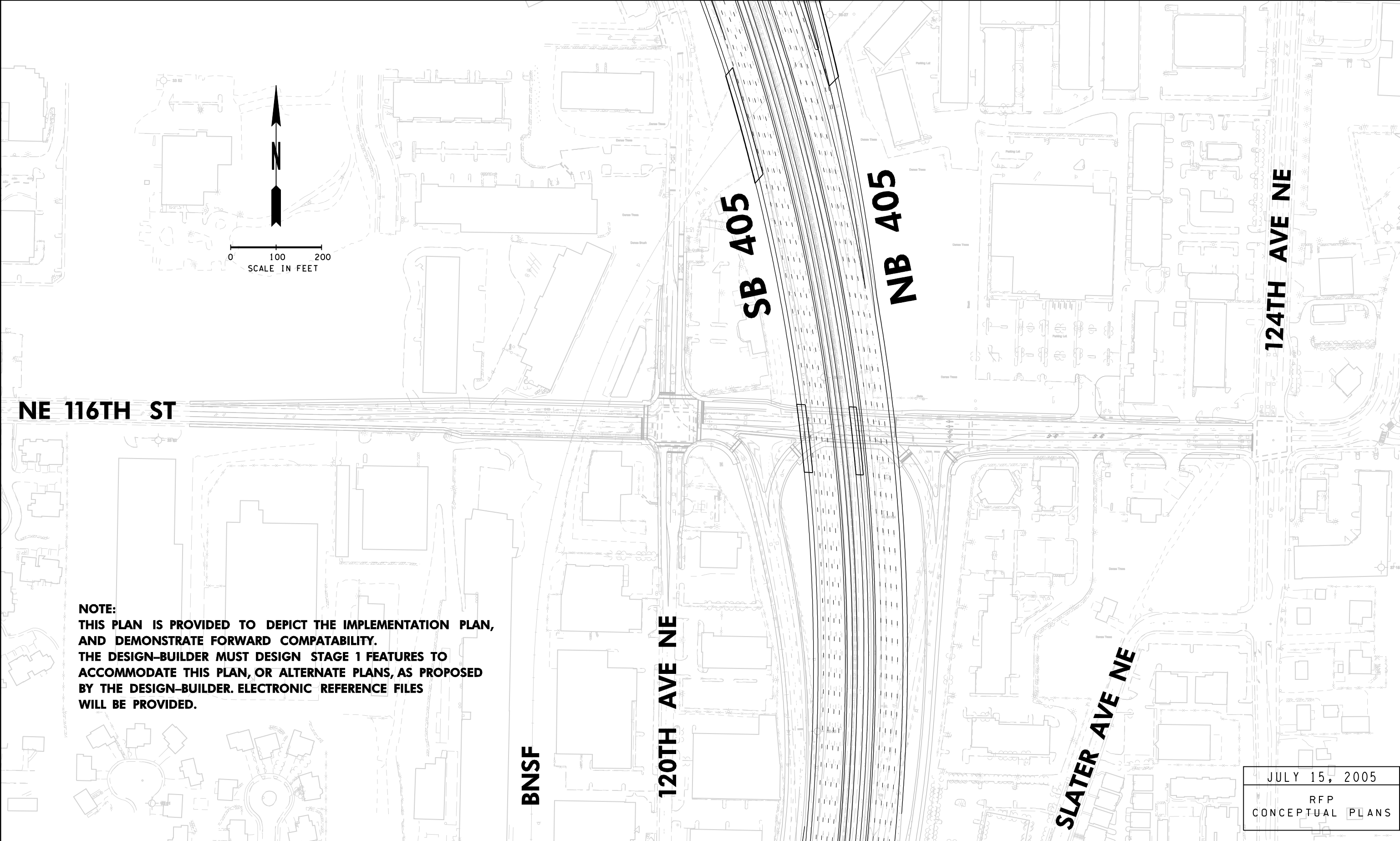
I-405  
SR 520 TO SR 522

STAGE 2  
PAVEMENT MARKING PLAN

PM7A


SHEET  
54  
OF  
80  
SHEETS



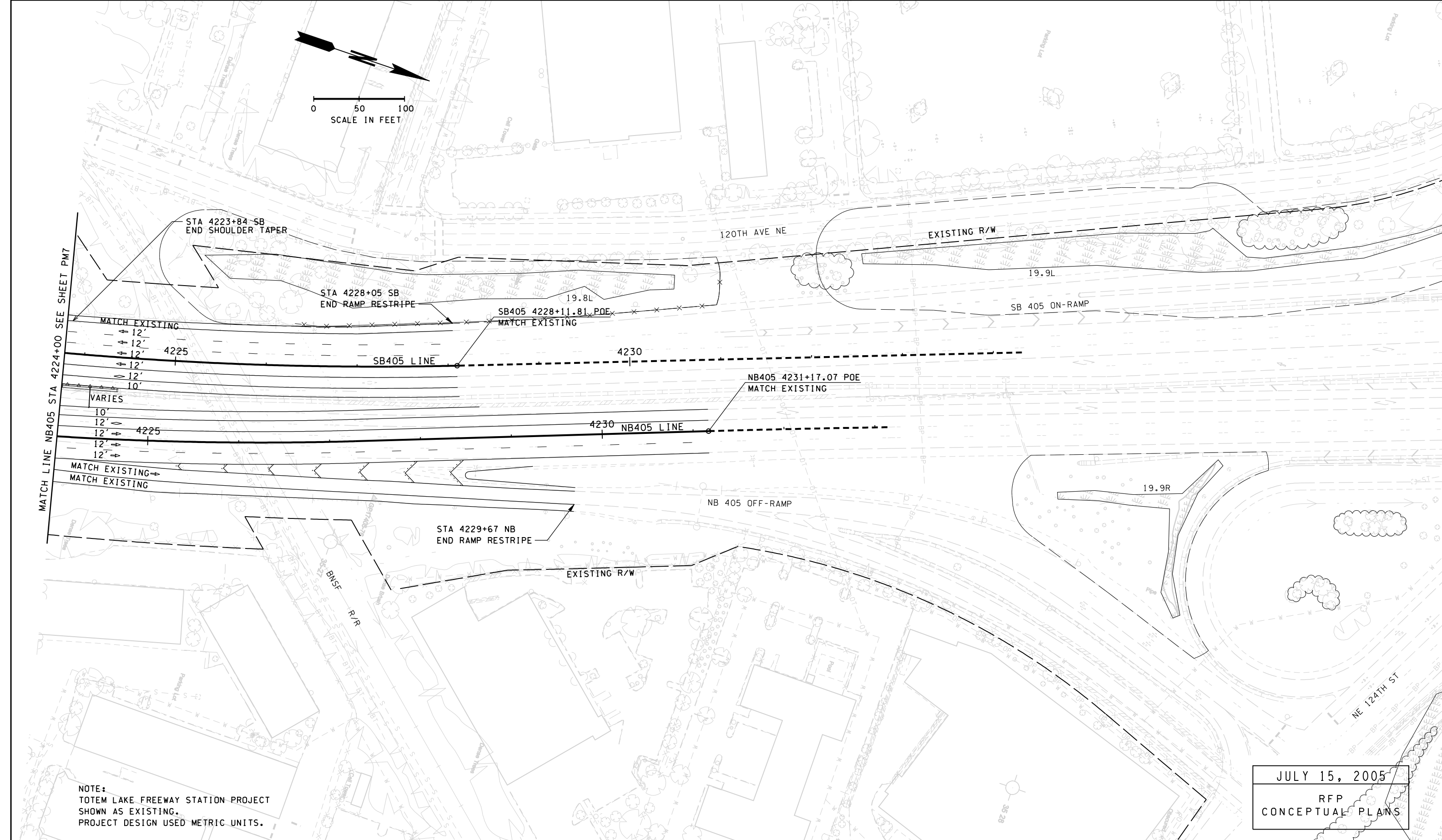



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DATE 7/13/2005				JOB NUMBER			
DESIGNED BY C. BARNETT				CONTRACT NO.		LOCATION NO.	
ENTERED BY C. SAXE							
CHECKED BY W. TAYLOR							
PROJ. ENGR. K. HENRY							
REGIONAL ADM. D. DYE	REVISION	DATE	BY				

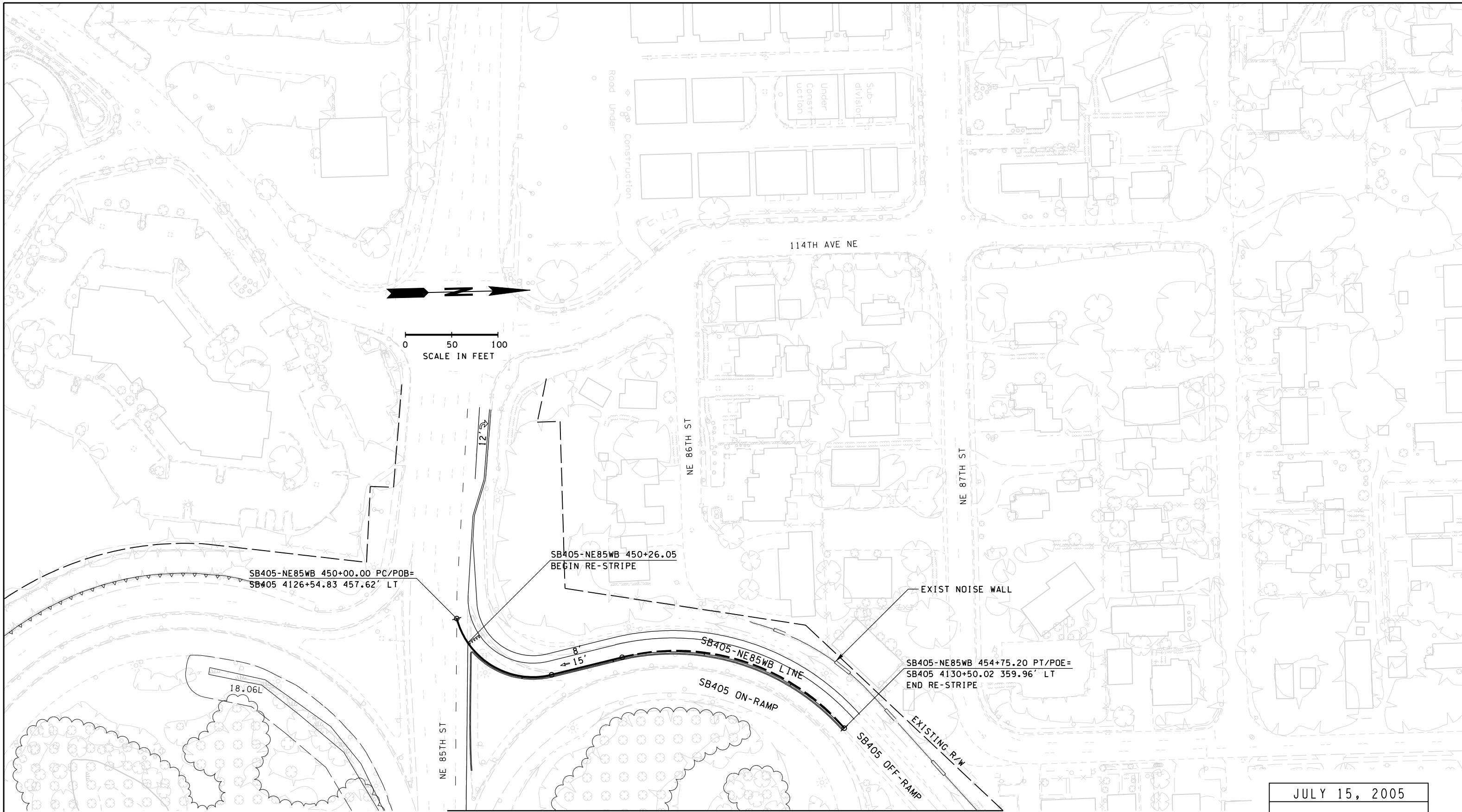
P.E. STAMP BOX	DATE	P.E. STAMP BOX	DATE
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	I-405	SHEET 55 OF 80 SHEETS
	SR 520 TO SR 522	
	IMPLEMENTATION PLAN	
PAVEMENT MARKING PLAN		


PM7B
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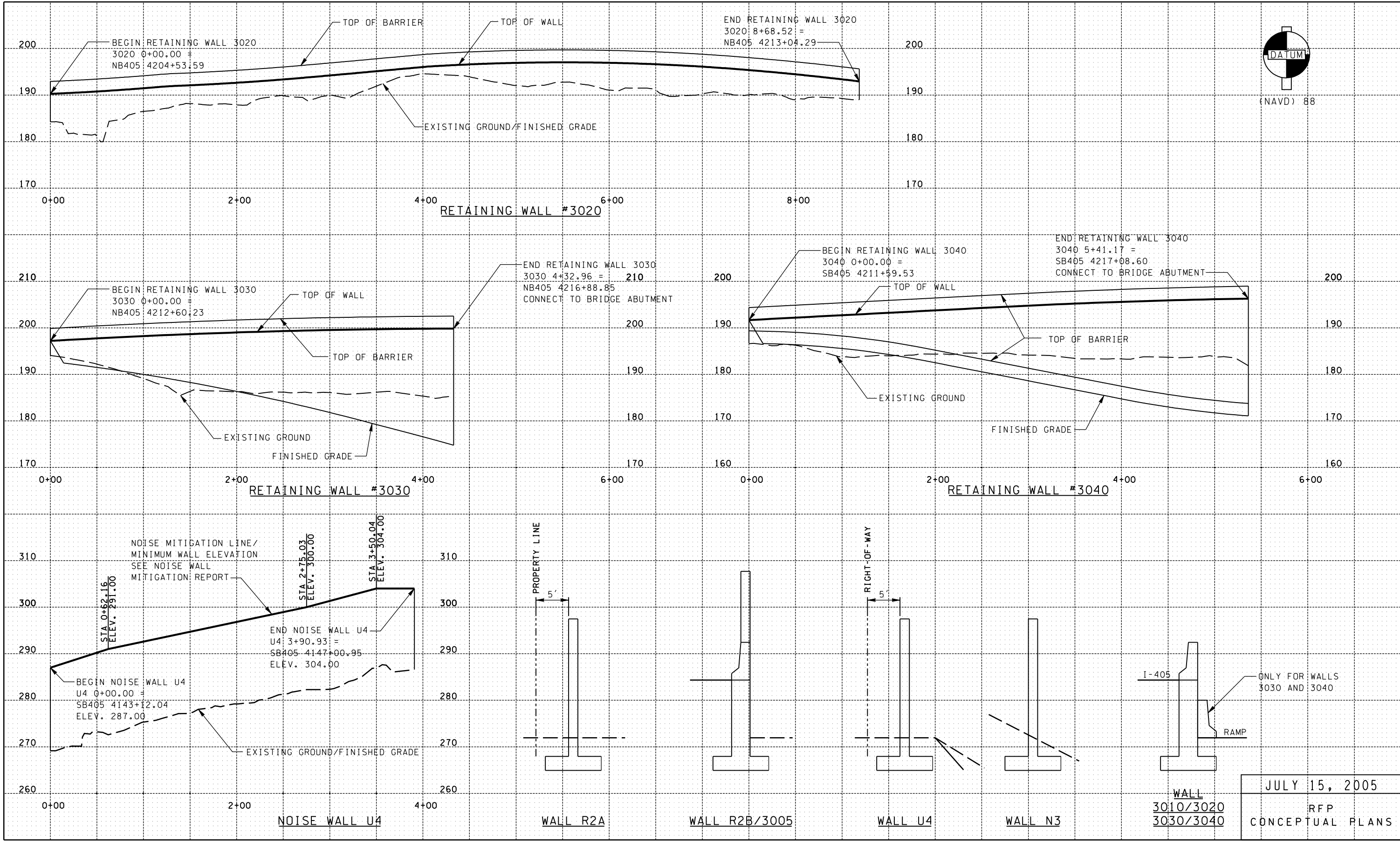
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DATE 7/13/2005								10		WASH									
PLOTTED BY chriss																			
DESIGNED BY C. BARNETT								JOB NUMBER											
ENTERED BY C. SAXE																			
CHECKED BY W. TAYLOR								CONTRACT NO.				LOCATION NO.							
PROJ. ENGR. K. HENRY																			
REGIONAL ADM. D. DYE																			
		REVISION		DATE		BY													



JULY 15, 2005  
RFP  
CONCEPTUAL PLANS

FILE NAME PW:\Engineering\003\drawings\sheets\3ps158a250c_ch009_stg1.dgn														<div><div><div>INTERSTATE</div><div>405</div><div>Project Team</div></div><div>Washington State Department of Transportation</div></div>		I-405 SR 520 TO SR 522		PM9	
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DATE 7/13/2005		.		.		.		10		WASH									
PLOTTED BY chriss		.		.		.													
DESIGNED BY C. BARNETT		.		.		.		JOB NUMBER		.									
ENTERED BY C. SAXE												CONTRACT NO.				LOCATION NO.			
CHECKED BY W. TAYLOR																			
PROJ. ENGR. K. HENRY																			
REGIONAL ADM. D. DYE																			





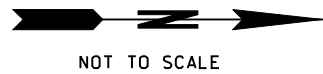
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TIME 11:54:03 AM				JOB NUMBER					
DATE 7/13/2005				CONTRACT NO.		LOCATION NO.			
PLOTTED BY chriss									
DESIGNED BY C. BARNETT									
ENTERED BY C. SAXE									
CHECKED BY W. TAYLOR									
PROJ. ENGR. K. HENRY									
REGIONAL ADM. D. DYE									
REVISION				DATE		BY			

P.E. STAMP BOX		DATE		P.E. STAMP BOX		DATE	
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INTERSTATE 405 Project Team		Washington State Department of Transportation	
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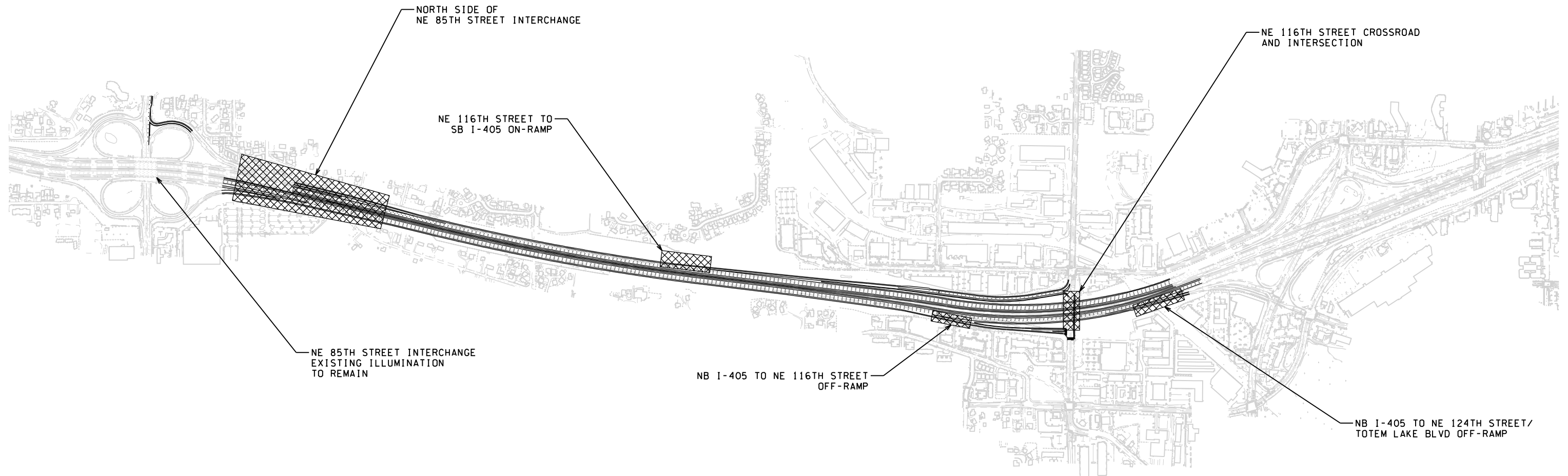
I-405 SR 520 TO SR 522		RWP2	
STAGE 1		SHEET 59 OF 80 SHEETS	
RETAINING AND NOISE WALL PROFILES			






**LEGEND:**

 - EXISTING LIGHTING TO BE REPLACED



JULY 15, 2005  
RFP  
CONCEPTUAL PLANS

FILE NAME PW:\Engineering\003\drawings\sheets\3ps158a250z-11001.stg1.dgn														<div><div>INTERSTATE</div><div>405</div><div>Project Team</div><div> Washington State Department of Transportation</div></div>		I-405 SR 520 TO SR 522			
TIME 11:56:19 AM	.	.	.	REGION NO.	STATE	FED.AID PROJ.NO.						IE 1							
DATE 7/13/2005	.	.	.	10	WASH														
PLOTTED BY chriss	.	.	.	JOB NUMBER															
DESIGNED BY G. MERRILL	.	.	.																
ENTERED BY G. MERRILL	.	.	.																
CHECKED BY W. TAYLOR	.	.	.	CONTRACT NO.		LOCATION NO.													
PROJ. ENGR. K. HENRY	.	.	.																
REGIONAL ADM. D. DYE	.	.	.	REVISION	DATE	BY			DATE		DATE		ILLUMINATION PLAN		SHEET 60 OF 80 SHEETS				
										P.E. STAMP BOX		P.E. STAMP BOX							

INSTALL NEW MAINLINE SPEED DETECTION LOOPS  
NORTHBOUND AND SOUTHBOUND  
TO REPLACE EXISTING

0 50 100  
SCALE IN FEET

EXISTING R/W

4155

4160

4165

4155

4160

4165

EXISTING R/W

APPROXIMATE LOCATION OF ITS CONDUIT

SLATER AVE NE

REPLACE EXISTING CABINET ES 720D  
WITH NEW STATE-FURNISHED CABINET  
SALVAGE EXISTING CABINET

REPLACE EXISTING CCTV 721 CAMERA AND CABINET CC 721  
WITH NEW STATE-FURNISHED CAMERA AND CABINET  
SALVAGE EXISTING CAMERA AND CABINET

NOTE:  
DESIGN-BUILDER SHALL VERIFY  
LOCATION OF ALL EXISTING ITS  
DEVICES AND CONDUIT.

SPINNEY  
HOMESTEAD  
PARK

MATCH LINE NB405 STA 4168+00 SEE SHEET IT2

JULY 15, 2005

RFP  
CONCEPTUAL PLANS

FILE NAME PW:\Engineering\003\drawings\sheets\3ps158a250c\_sc001.stg1.dgn

TIME 11:57:34 AM

DATE 7/13/2005

PLOTTED BY chriss

DESIGNED BY G. MERRILL

ENTERED BY G. MERRILL

CHECKED BY W. TAYLOR

PROJ. ENGR. K. HENRY

REGIONAL ADM. D. DYE

REVISION

DATE

BY

REGION  
NO.

10 WASH

JOB NUMBER

CONTRACT NO.

DATE

BY

FED.AID PROJ.NO.

LOCATION NO.

P.E. STAMP BOX

P.E. STAMP BOX



I-405  
SR 520 TO SR 522

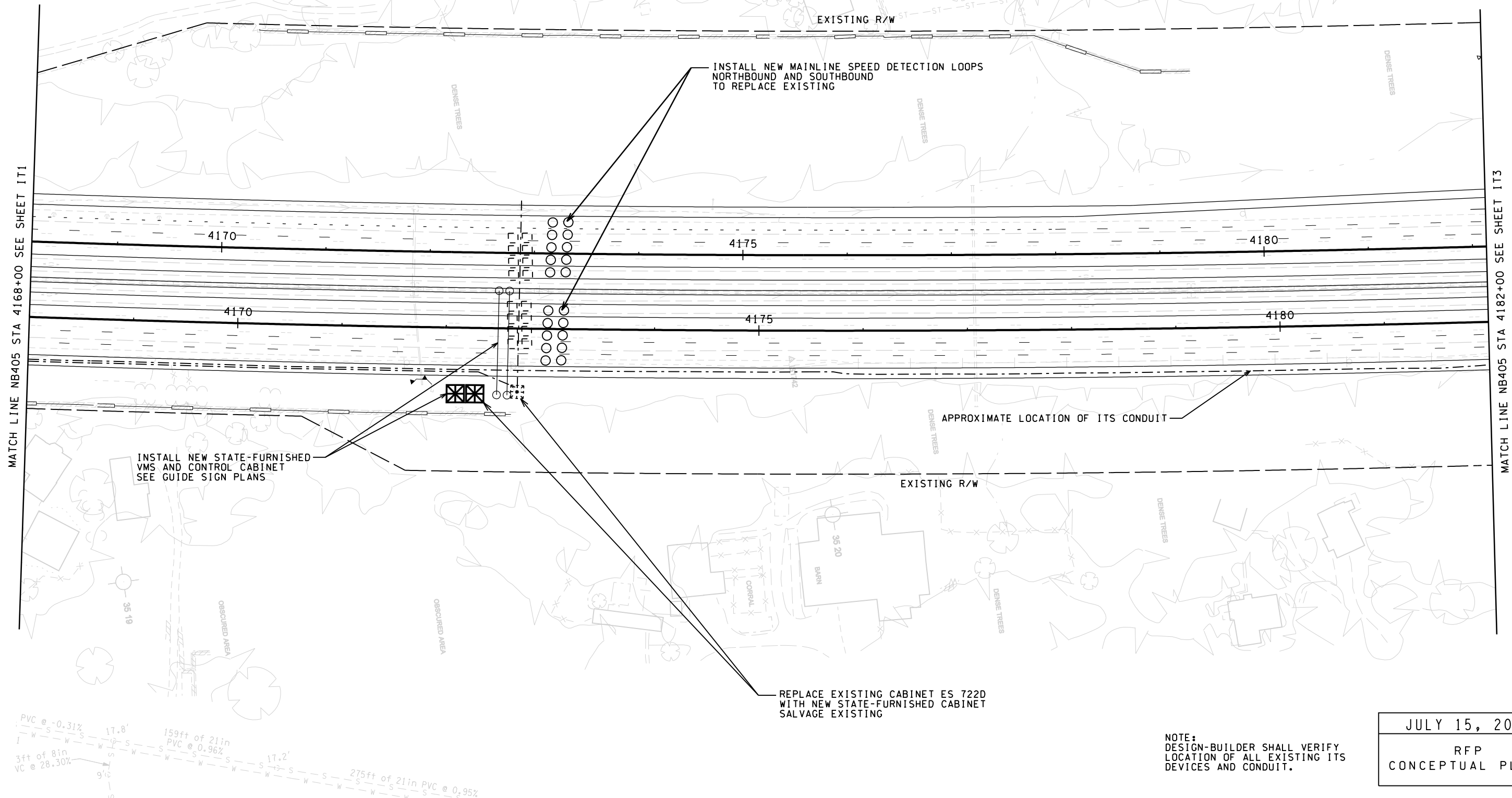
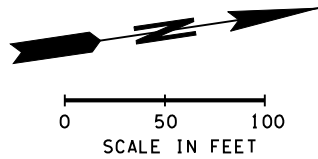
STAGE 1

ITS PLAN

IT1


SHEET  
61  
OF  
80  
SHEETS

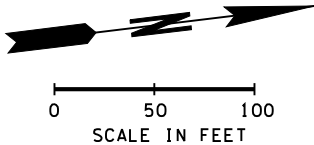




NOTE:  
DESIGN-BUILDER SHALL VERIFY  
LOCATION OF ALL EXISTING ITS  
DEVICES AND CONDUIT.

JULY 15, 2005  
RFP  
CONCEPTUAL PLANS

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DATE 7/13/2005								10		WASH											
PLOTTED BY chriss										JOB NUMBER											
DESIGNED BY G. MERRILL										CONTRACT NO.		LOCATION NO.									
ENTERED BY G. MERRILL																					
CHECKED BY W. TAYLOR																					
PROJ. ENGR. K. HENRY																					
REGIONAL ADM. D. DYE				REVISION		DATE		BY								SHEET 62 OF 80 SHEETS					
										DATE		DATE				STAGE 1					
										P.E. STAMP BOX		P.E. STAMP BOX				ITS PLAN					



REPLACE EXISTING CABINET ES 724D  
WITH NEW STATE-FURNISHED CABINET  
SALVAGE EXISTING CABINET

EXISTING R/W

EXISTING R/W

APPROXIMATE LOCATION OF ITS CONDUIT

INSTALL NEW MAINLINE SPEED DETECTION LOOPS  
NORTHBOUND AND SOUTHBOUND  
TO REPLACE EXISTING

NOTE:  
DESIGN-BUILDER SHALL VERIFY  
LOCATION OF ALL EXISTING ITS  
DEVICES AND CONDUIT.

JULY 15, 2005  
RFP  
CONCEPTUAL PLANS

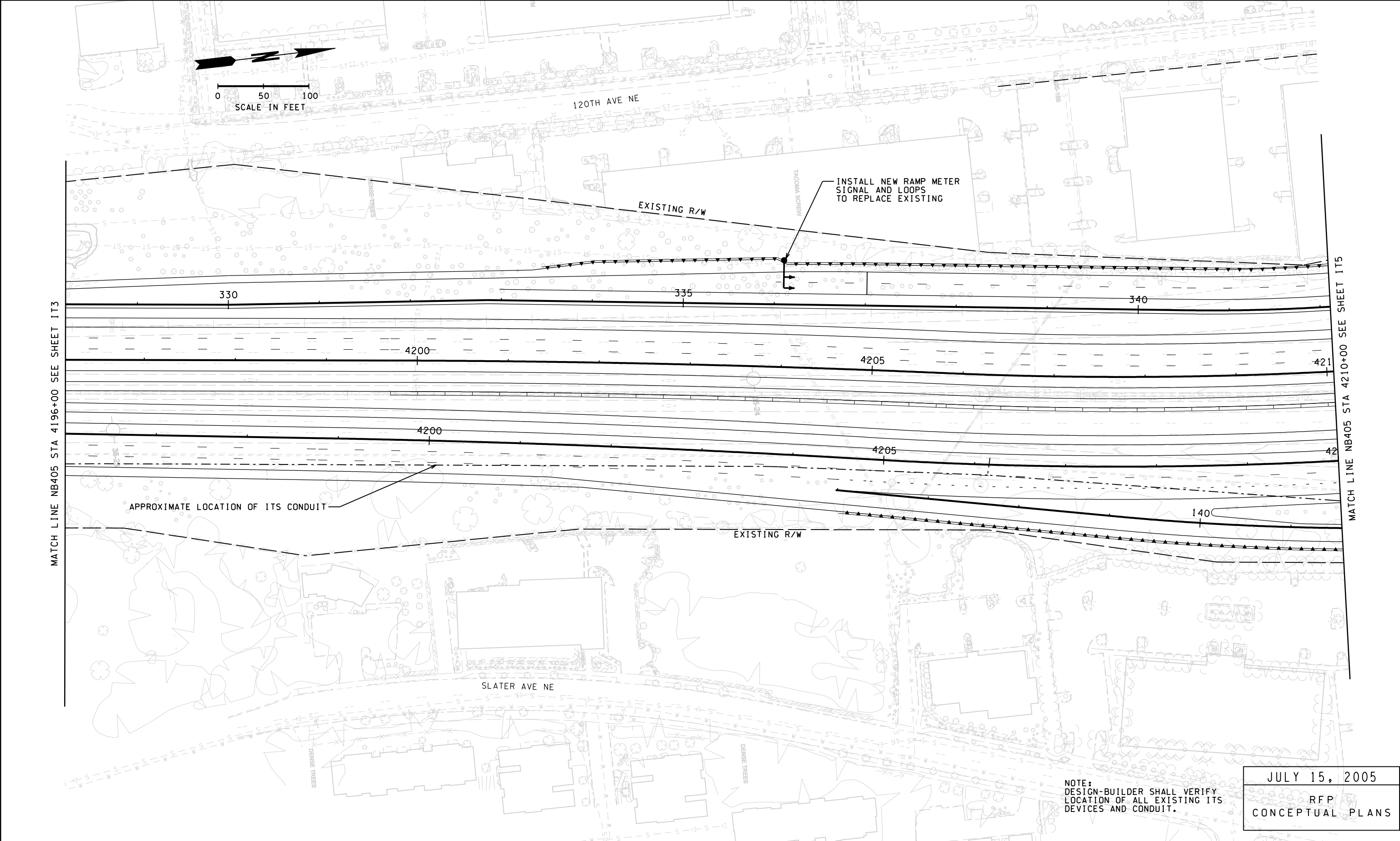
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DATE 7/13/2005	.	.	.	JOB NUMBER		.	LOCATION NO.
DESIGNED BY G. MERRILL	.	.	.	CONTRACT NO.		.	
ENTERED BY G. MERRILL							
CHECKED BY W. TAYLOR							
PROJ. ENGR. K. HENRY							
REGIONAL ADM. D. DYE							
REVISION			DATE	BY			


DATE  
P.E. STAMP BOX

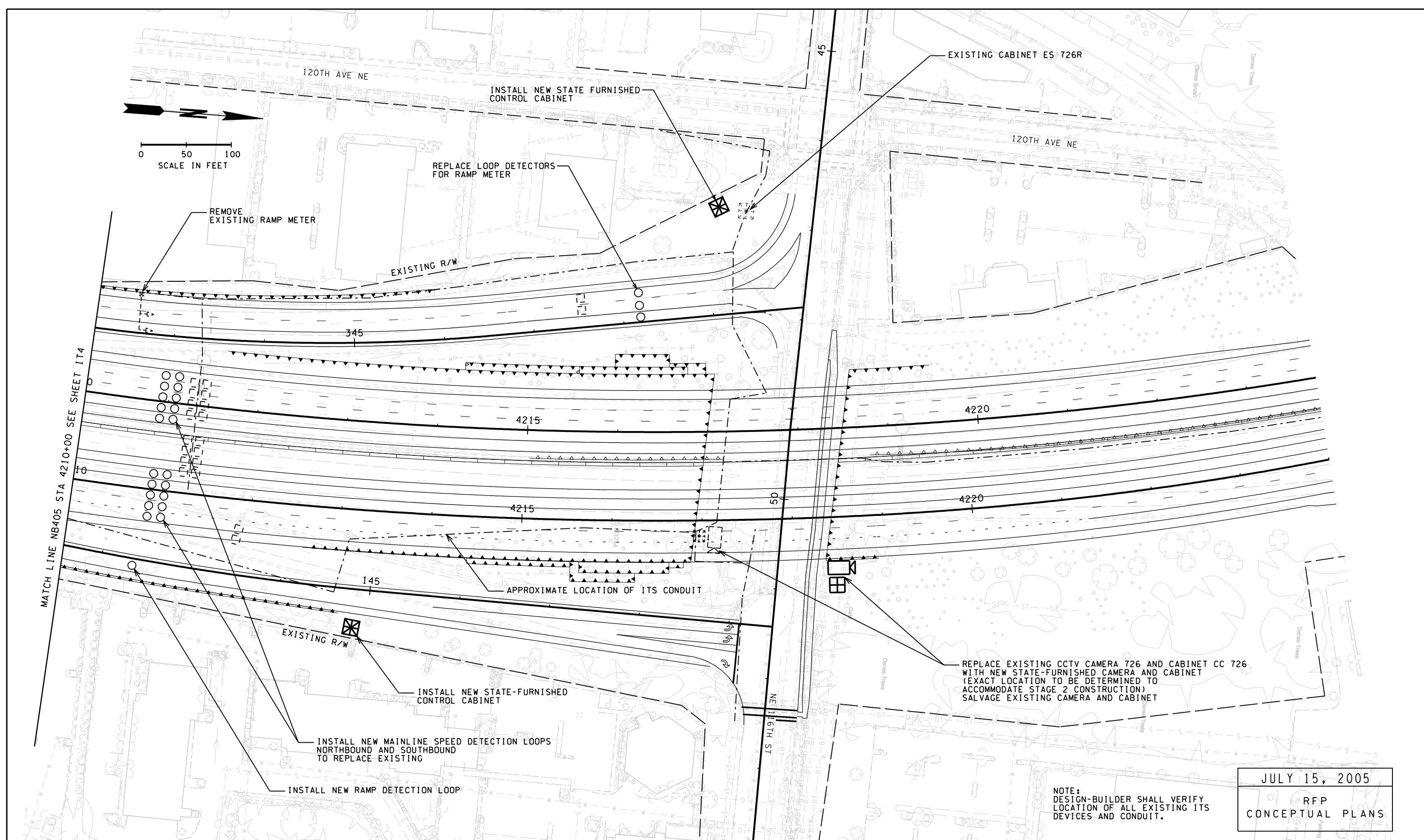
DATE  
P.E. STAMP BOX



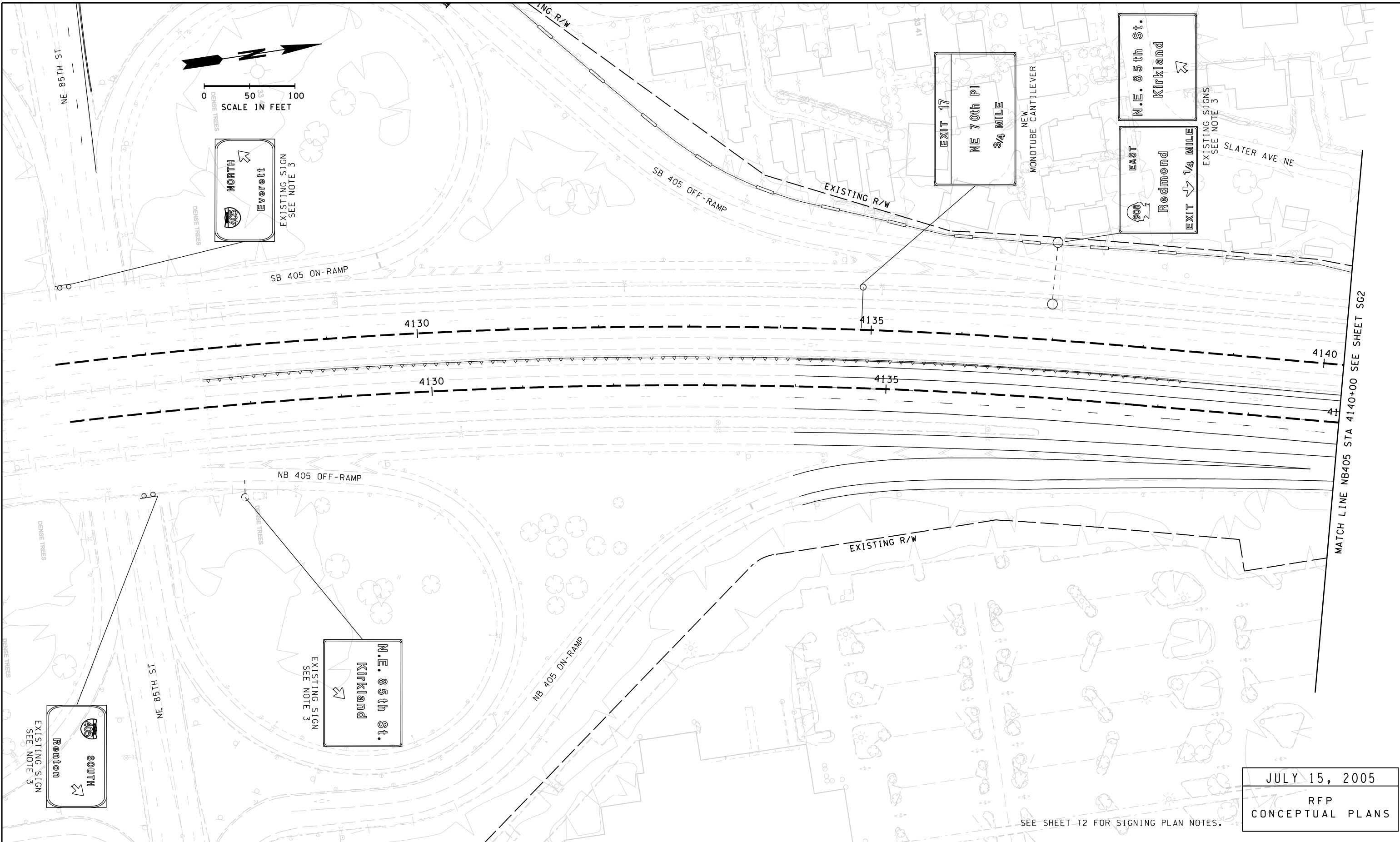
I-405 SR 520 TO SR 522		IT3
STAGE 1		
ITS PLAN		




FILE NAME PW:\Engineering\003\drawings\sheets\3ps158a250c_sc004.stg1.dgn				REGION NO. 10		STATE WASH		FED.AID PROJ.NO.				I-405		IT4
TIME 12:00:13 PM				JOB NUMBER				SR 520 TO SR 522						
DATE 7/13/2005												STAGE 1		SHEET 64 OF 80 SHEETS
DESIGNED BY G. MERRILL												ITS PLAN		
ENTERED BY G. MERRILL														
CHECKED BY W. TAYLOR														
PROJ. ENGR. K. HENRY														
REGIONAL ADM. D. DYE														
REVISION				DATE		BY		LOCATION NO.		P.E. STAMP BOX		DATE		

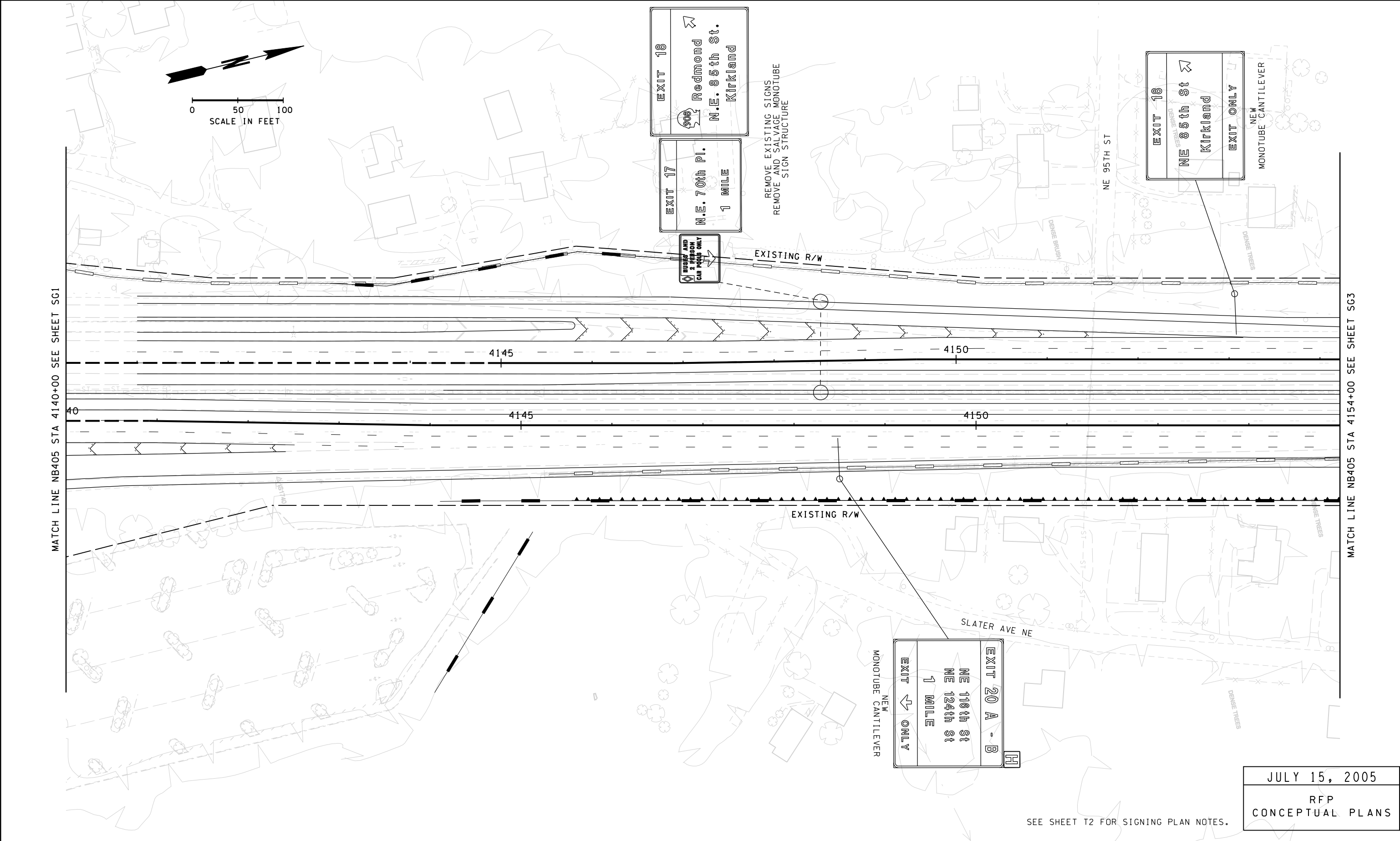


FILE NAME PW:\Engineering\003\drawings\sheets\3ps158a250c_sc005_stg1.dgn										REGION NO.		STATE		FED.AID PROJ.NO.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												</	
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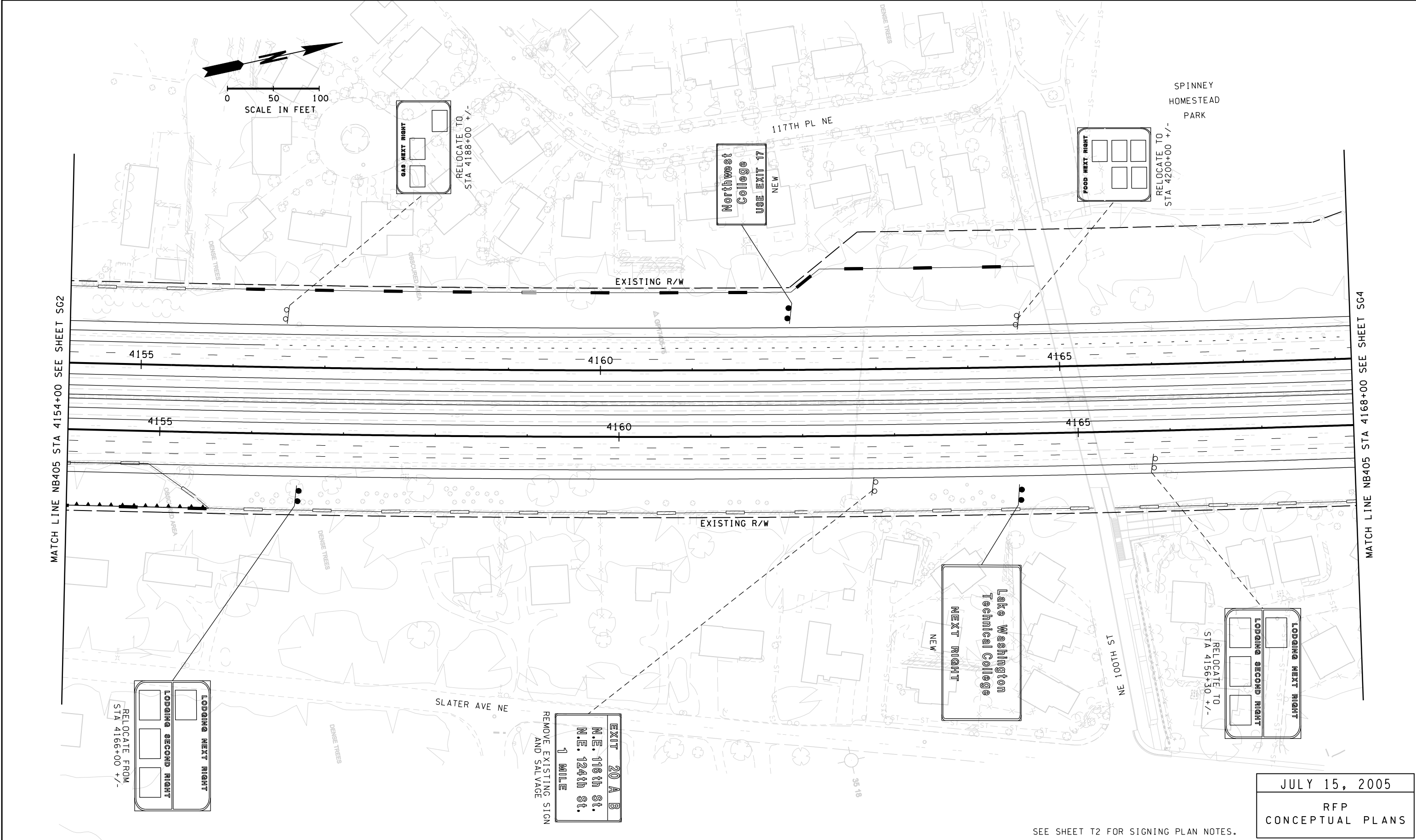
FILE NAME PW:\Engineering\003\drawings\sheets\3ps158a250c-sg001.stg1.dgn				REGION NO. 10		STATE WASH		FED.AID PROJ.NO.				I-405 SR 520 TO SR 522		SG1													
TIME 12:02:06 PM		DATE 7/13/2005		DESIGNED BY G. MERRILL		ENTERED BY G. MERRILL		CHECKED BY W. TAYLOR				PROJ. ENGR. K. HENRY		REGIONAL ADM. D. DYE		REVISION		DATE		BY		CONTRACT NO.		LOCATION NO.		STAGE 1 GUIDE SIGN PLAN	




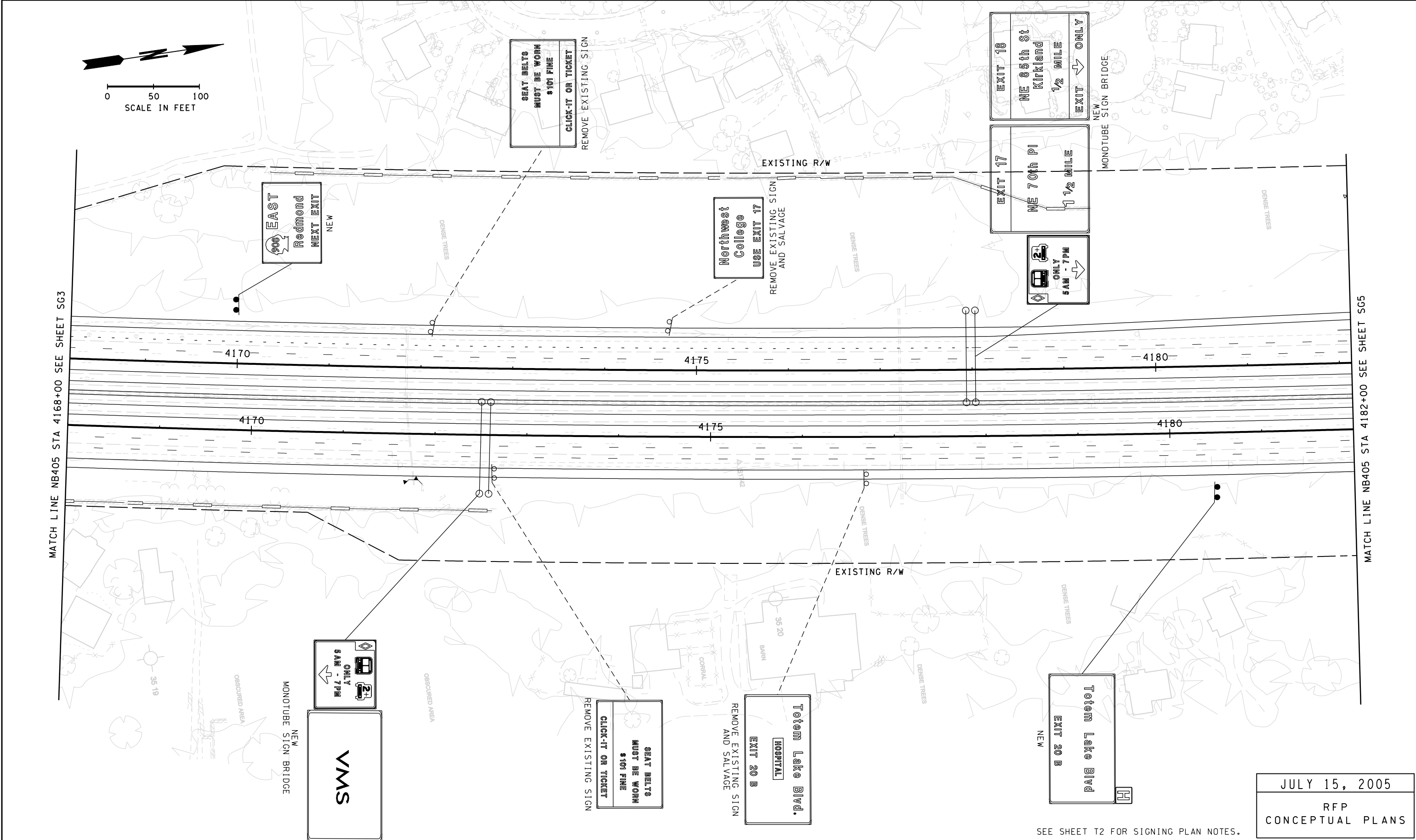


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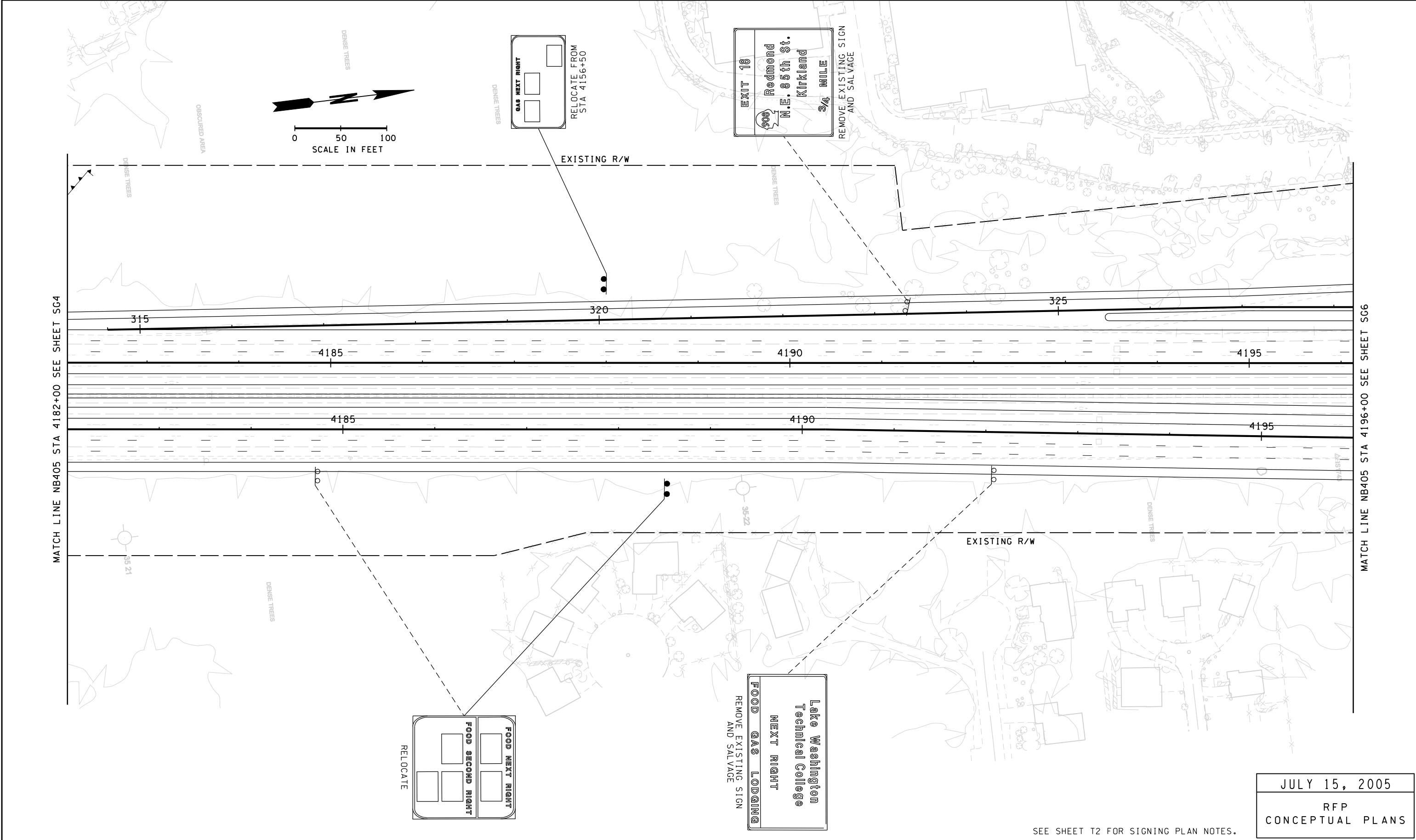
FILE NAME PW:\Engineering\003\drawings\sheets\3ps158a250c-sg003-stg1.dgn														<div><div>INTERSTATE</div><div>405 Project Team</div><div> Washington State Department of Transportation</div></div>		I - 405					
TIME 12:03:54 PM								REGION NO.		STATE		FED.AID PROJ.NO.				SR 520 TO SR 522					
DATE 7/13/2005								10		WASH											
PLOTTED BY chriss																					
DESIGNED BY G. MERRILL								JOB NUMBER													
ENTERED BY G. MERRILL																					
CHECKED BY W. TAYLOR								CONTRACT NO.				LOCATION NO.									
PROJ. ENGR. K. HENRY																					
REGIONAL ADM. D. DYE																					
REVISION										DATE		BY				DATE		DATE		GUIDE SIGN PLAN	
																P.E. STAMP BOX					



JULY 15, 2005  
RFP  
CONCEPTUAL PLANS


SEE SHEET T2 FOR SIGNING PLAN NOTES.

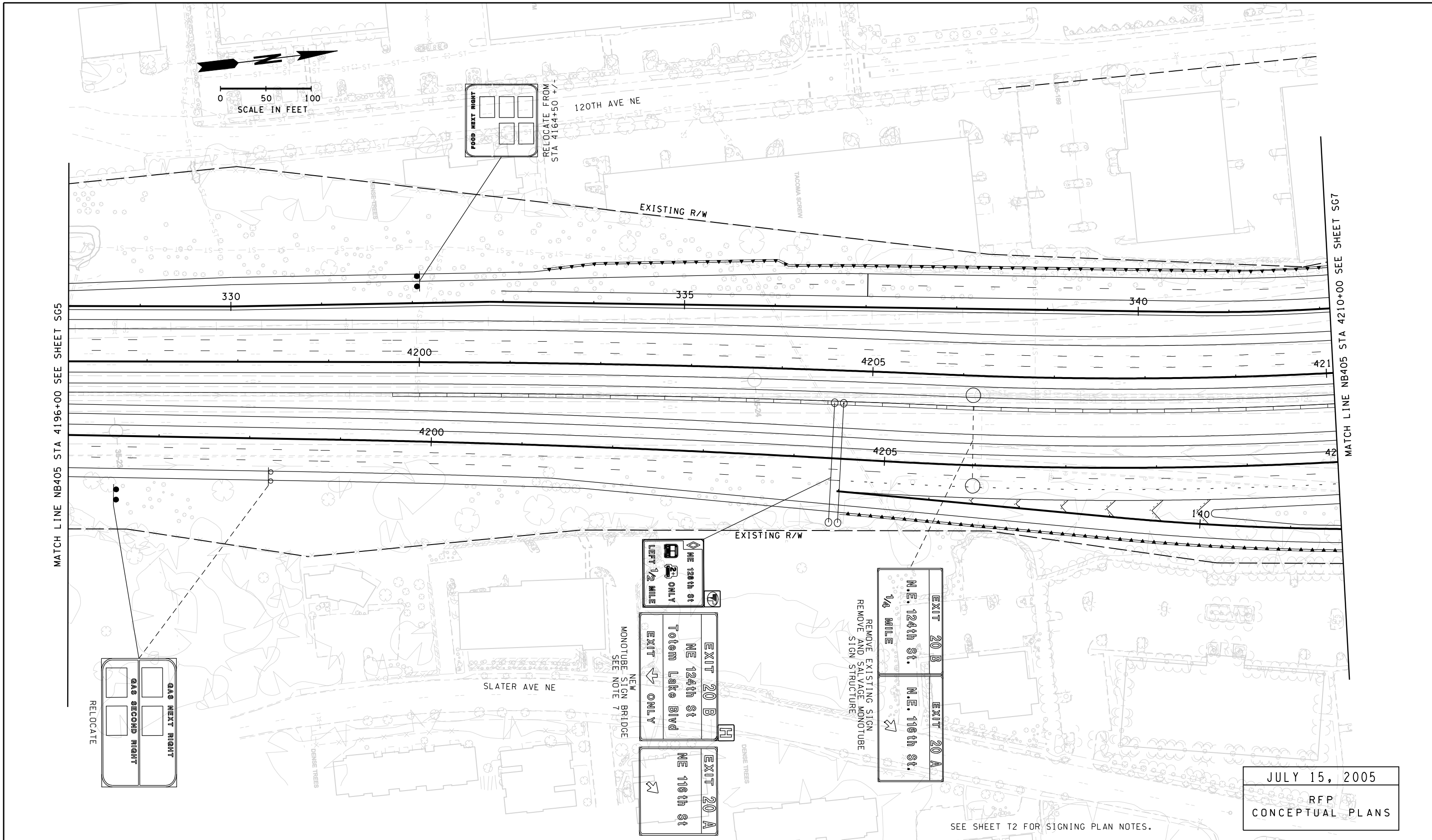
FILE NAME PW:\Engineering\003\drawings\sheets\3ps158a250c-sg004-stg1.dgn														<div><div>INTERSTATE</div><div>405</div><div>Project Team</div><div> Washington State Department of Transportation</div></div>		I - 405 SR 520 TO SR 522		S	
TIME 12:04:48 PM		.		.		.		REGION NO.		STATE		FED.AID PROJ.NO.							
DATE 7/13/2005		.		.		.		10		WASH									
PLOTTED BY chriss		.		.		.		JOB NUMBER		.								s	
DESIGNED BY G. MERRILL		.		.		.													
ENTERED BY G. MERRILL		.		.		.		CONTRACT NO.		.		LOCATION NO.							
CHECKED BY W. TAYLOR		.		.		.													
PROJ. ENGR. K. HENRY		.		.		.		.		.								s	
REGIONAL ADM. D. DYE		.		.		.													
REVISION		DATE		BY										DATE		DATE		P.E. STAMP BOX	
																		P.E. STAMP BOX	




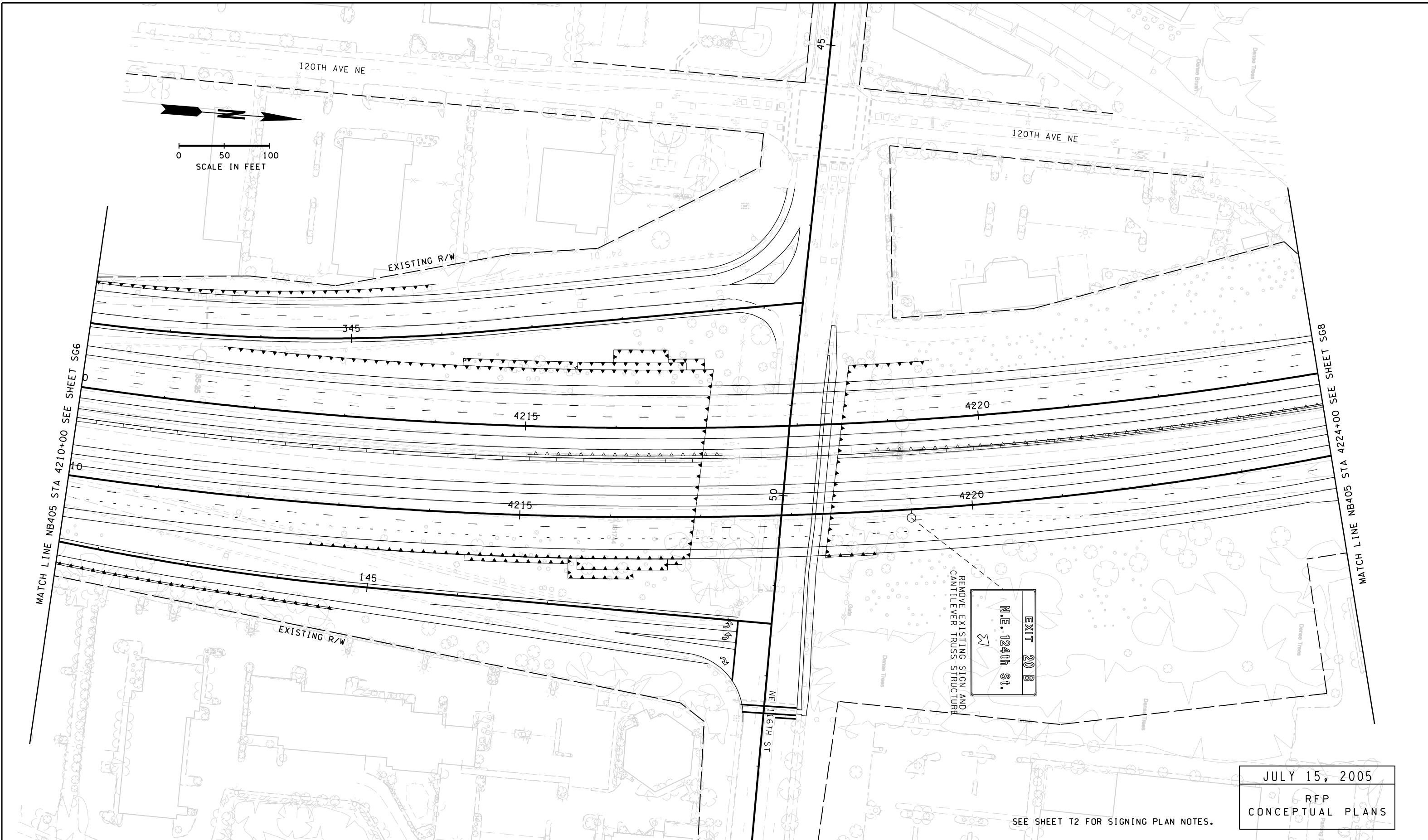
SEE SHEET T2 FOR SIGNING PLAN NOTES.


JULY 15, 2005  
RFP  
CONCEPTUAL PLANS

FILE NAME PW:\Engineering\003\drawings\sheets\3ps158a250c-sg005-stg1.dgn																I - 405		S
TIME 12:05:43 PM	.	.	.	REGION NO.	STATE	FED.AID PROJ.NO.						SR 520 TO SR 522						
DATE 7/13/2005	.	.	.	10	WASH											s		
PLOTTED BY chriss	.	.	.	JOB NUMBER														
DESIGNED BY G. MERRILL	.	.	.	CONTRACT NO.		LOCATION NO.						STAGE 1						
ENTERED BY G. MERRILL														s				
CHECKED BY W. TAYLOR																		
PROJ. ENGR. K. HENRY														s				
REGIONAL ADM. D. DYE	REVISION		DATE	BY					DATE		DATE		GUIDE SIGN PLAN					
					P.E. STAMP BOX				P.E. STAMP BOX									



FILE NAME PW:\Engineering\003\drawings\sheets\3ps158a250c-sg006.stg1.dgn														<div><div><div>INTERSTATE</div><div>405</div><div>Project Team</div><div> Washington State Department of Transportation</div></div></div>		I - 405 SR 520 TO SR 522		SG6					
TIME 12:06:43 PM						FED.AID PROJ.NO.																	
DATE 7/13/2005						REGION NO.		STATE															
PLOTTED BY chriss						10		WASH															
DESIGNED BY G. MERRILL						JOB NUMBER																	
ENTERED BY G. MERRILL																							
CHECKED BY W. TAYLOR						CONTRACT NO.		LOCATION NO.															
PROJ. ENGR. K. HENRY																							
REGIONAL ADM. D. DYE		REVISION		DATE		BY						DATE		DATE		P.E. STAMP BOX		P.E. STAMP BOX		STAGE 1		SHEET 7-1 OF 8-0 SHEETS	
																		GUIDE SIGN PLAN					

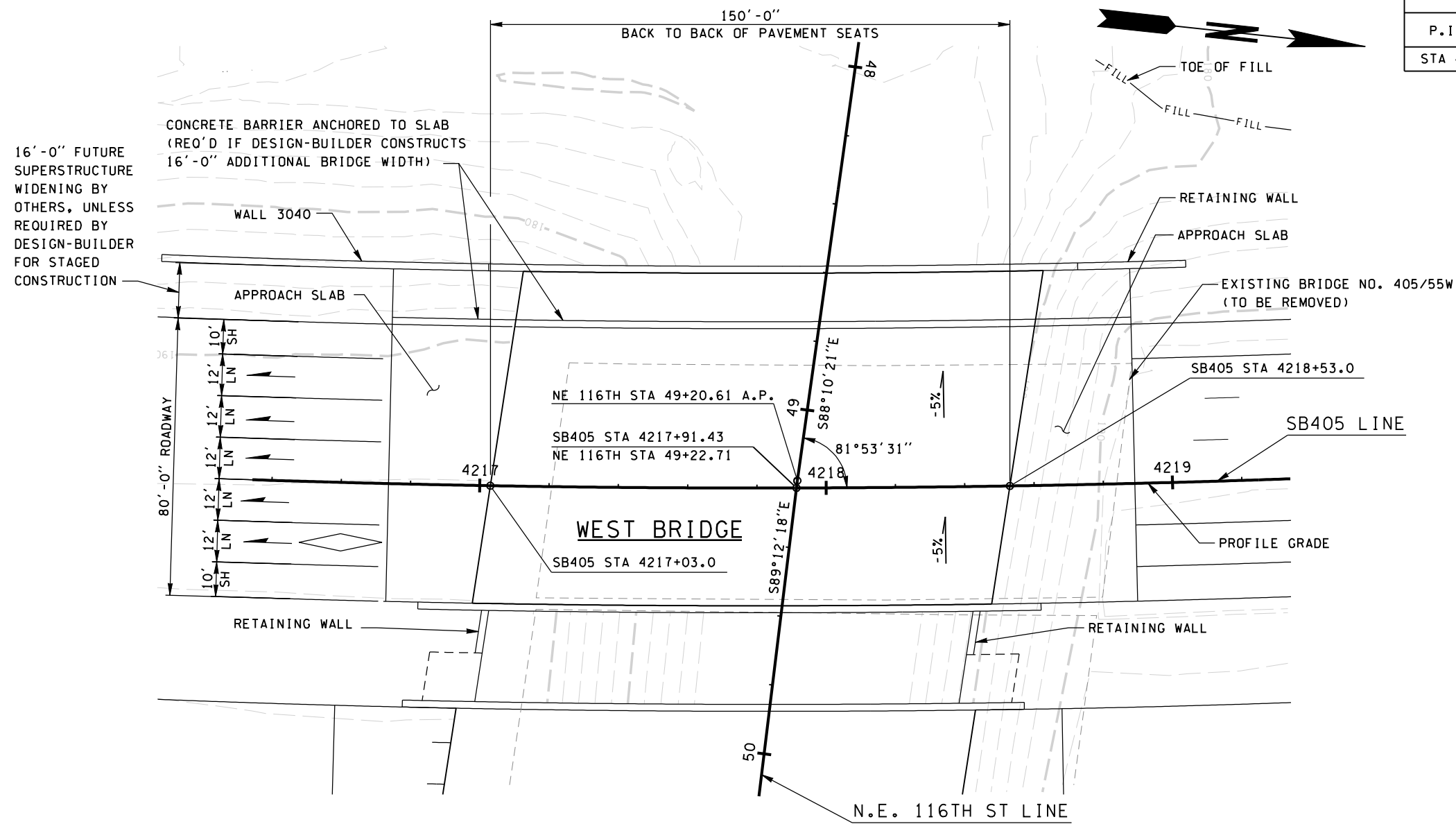


FILE NAME PW:\Engineering\003\drawings\sheets\3ps158a250c_sg007_stg1.dgn														<div><div>INTERSTATE</div><div>405 Project Team</div><div> Washington State Department of Transportation</div></div>		I-405		SG7		
TIME 12:07:46 PM								REGION NO.		STATE		FED.AID PROJ.NO.				SR 520 TO SR 522				
DATE 7/13/2005								10		WASH										
PLOTTED BY chriss																				
DESIGNED BY G. MERRILL										JOB NUMBER										
ENTERED BY G. MERRILL																				
CHECKED BY W. TAYLOR										CONTRACT NO.		LOCATION NO.								
PROJ. ENGR. K. HENRY																				
REGIONAL ADM. D. DYE																				
REVISION				DATE		BY								DATE		DATE		STAGE 1		SHEET 72 OF 80 SHEETS
														P.E. STAMP BOX		P.E. STAMP BOX		GUIDE SIGN PLAN		

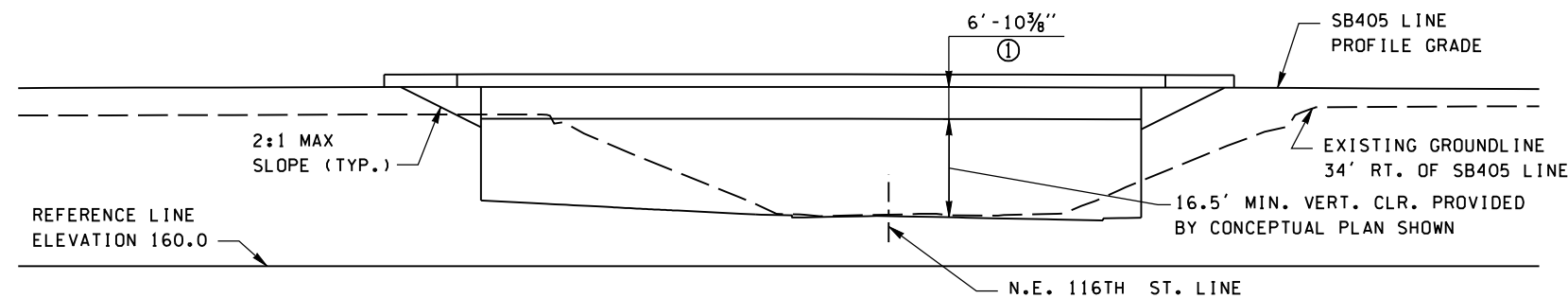








PLAN



ELEVATION

GRADE ELEVATIONS SHOWN ARE FINISH GRADES AT TOP OF ROADWAY SLAB ON SB405 LINE AND ARE EQUAL TO PROFILE GRADE. SEE STANDARD PLAN H-9 FOR EMBANKMENT DETAILS AT BRIDGE ENDS.

DATUM  
N.A.V.D. 88

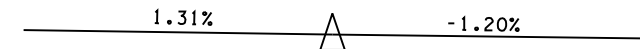
SB405 LINE CURVE DATA

P.I. STATION	△	RADIUS	TANGENT	LENGTH	AHEAD TANGENT
STA 4214+93.49	23°07'53"LT	4450.00	910.68	1796.56	N13°51'01"W

NOTES TO DESIGNER:

- THE ABUTMENT ON BOTH SIDES OF STRUCTURE SHALL BE BUILT TO ACCOMMODATE FUTURE 16'-0" SUPERSTRUCTURE WIDENING.
- FOR EXISTING UTILITIES, SEE EXISTING UTILITIES BASEMAP.

P.V.I.  
SB405 STA. 4217+28.52  
ELEV.: 200.77  
L.V.C.: 900.00




SB405 LINE PROFILE

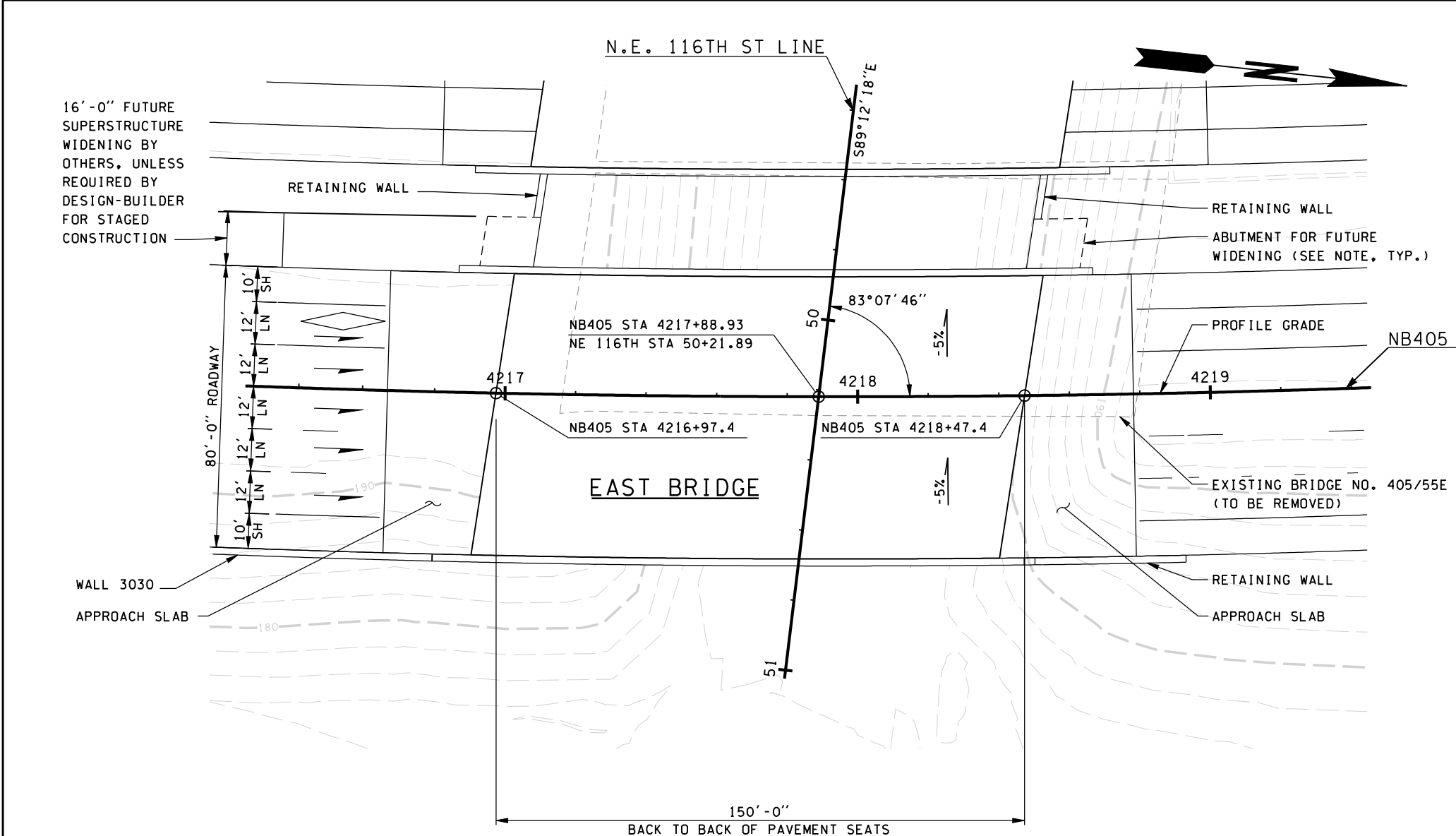
COMPOSITE PRESTRESSED  
CONCRETE GIRDER (WF74G)  
LOADING: HL-93

JULY 15, 2005

RFP  
CONCEPTUAL PLANS

EXISTING BRIDGE NO. 405/55W

FILE NAME PW:\Engineering\003\drawings\sheets\3ps158a250c-br001.stg1.dgn																I - 405									
TIME 12:09:30 PM				REGION NO.	STATE	FED.AID PROJ.NO.								SR 520 TO SR 522		BR1									
DATE 7/13/2005				10	WASH																				
PLOTTED BY chriss				JOB NUMBER																					
DESIGNED BY J. MILES																									
ENTERED BY C. SAXE				CONTRACT NO.		LOCATION NO.																			
CHECKED BY W. TAYLOR																									
PROJ. ENGR. K. HENRY																									
REGIONAL ADM. D. DYE																									
REVISION				DATE	BY					P.E. STAMP BOX		DATE		P.E. STAMP BOX		DATE		WASHINGTON STATE Department of Transportation		I-405 SR 520 TO SR 522 SB405/N.E. 116TH ST OVERPASS STAGE 1		BRIDGE LAYOUT		SHEET 7-4 OF 8-0 SHEETS	

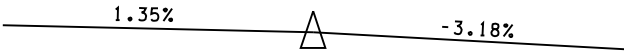


NB405 LINE CURVE DATA					
P.I. STATION	△	RADIUS	TANGENT	LENGTH	AHEAD TANGENT
STA 4211+95.26	17°34'15" LT	4589.00	709.21	1407.29	N7°22'45"W
STA 4223+12.71	13°07'22" LT	3646.05	419.37	835.08	N20°30'07W

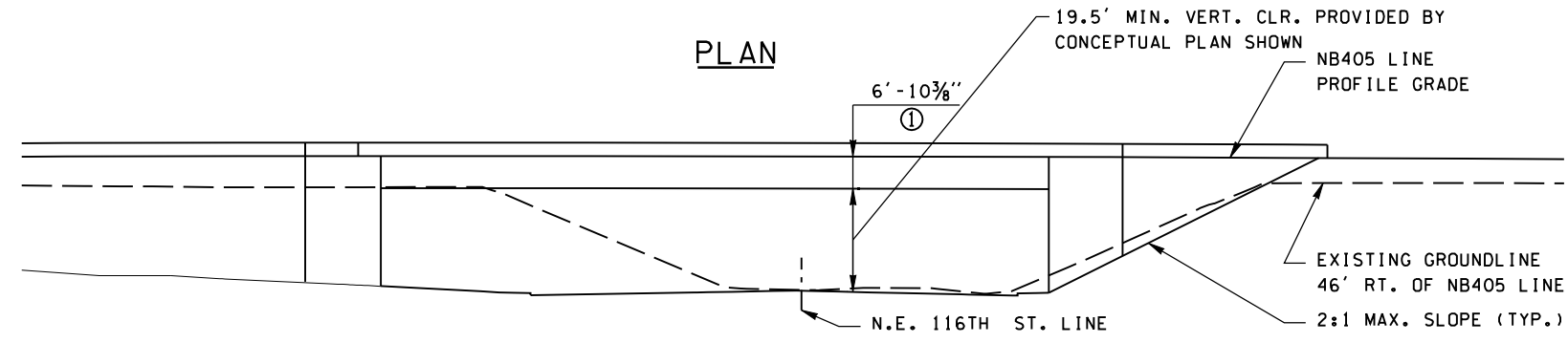
NOTES TO DESIGNER:

- THE ABUTMENT ON BOTH SIDES OF STRUCTURE SHALL BE BUILT TO ACCOMMODATE FUTURE 16'-0" SUPERSTRUCTURE WIDENING.
- FOR EXISTING UTILITIES, SEE EXISTING UTILITIES BASEMAP.

P.V.I.  
NB405 STA. 4220+66.58  
ELEV.: 208.14  
L.V.C.: 1750.00



NB405 LINE PROFILE



COMPOSITE PRESTRESSED  
CONCRETE GIRDER (WF74G)  
LOADING: HL-93


ELEVATION

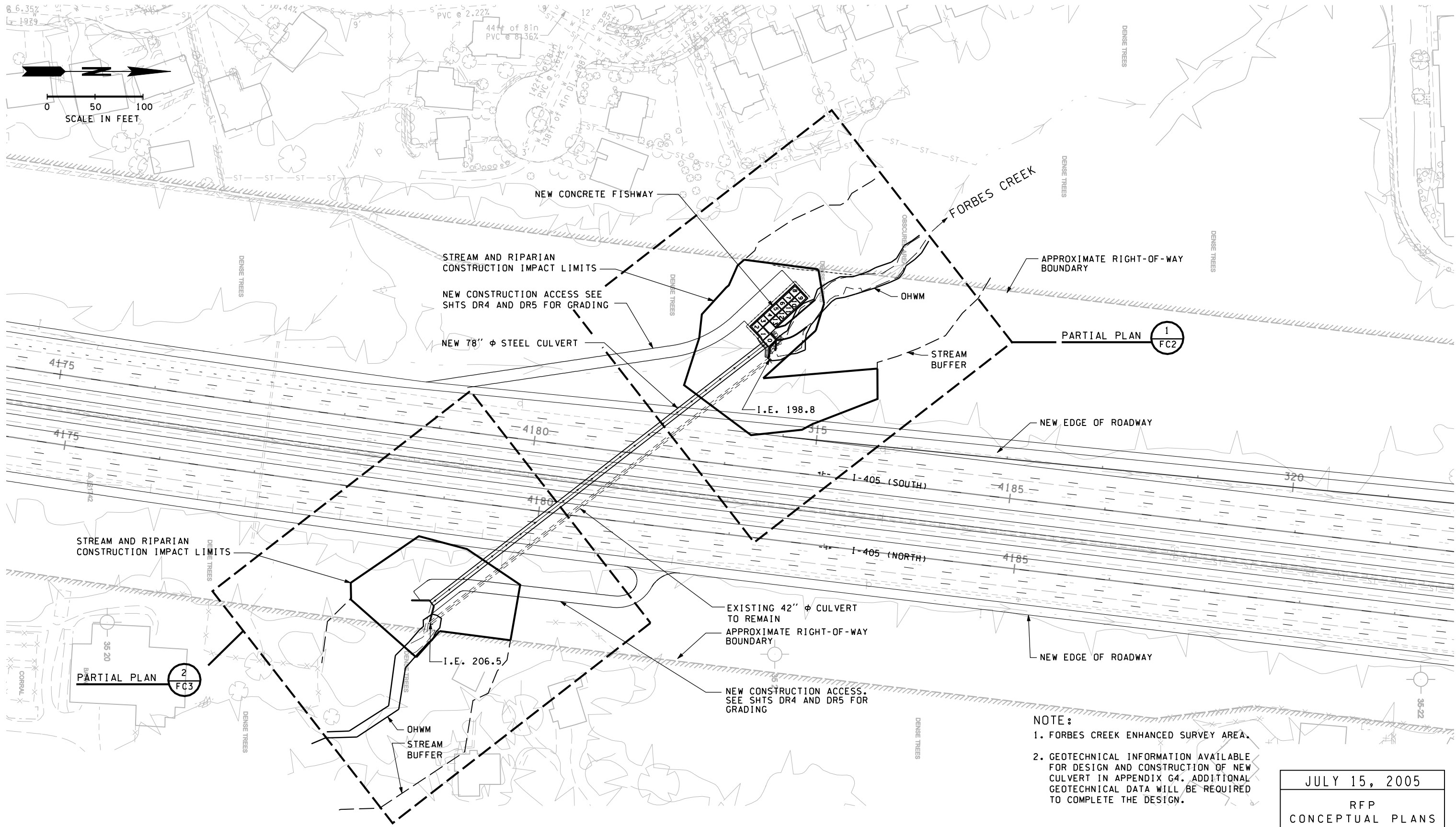
GRADE ELEVATIONS SHOWN ARE FINISH GRADES AT TOP OF ROADWAY SLAB ON NB405 LINE AND ARE EQUAL TO PROFILE GRADE. SEE STANDARD PLAN H-9 FOR EMBANKMENT DETAILS AT BRIDGE ENDS.


DATUM  
N.A.V.D. 88

EXISTING BRIDGE NO. 405/55E

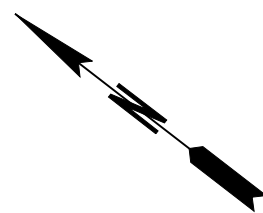
JULY 15, 2005
RFP CONCEPTUAL PLANS

FILE NAME PW:\Engineering\003\drawings\sheets\3ps158a250c-br002.stg1.dgn																I-405			
TIME 12:10:01 PM						REGION NO.		STATE		FED.AID PROJ.NO.						SR 520 TO SR 522		BR2	
DATE 7/13/2005						10		WASH											
PLOTTED BY chriss																			
DESIGNED BY J. MILES								JOB NUMBER											
ENTERED BY C. SAXE																			
CHECKED BY W. TAYLOR								CONTRACT NO.		LOCATION NO.									
PROJ. ENGR. K. HENRY																			
REGIONAL ADM. D. DYE																		SHEET 75 OF 80 SHEETS	
								</											



FILE NAME PW:\Engineering\003\drawings\sheets\3ps191a192d_fc001.dgn														<div><div>INTERSTATE</div><div>405</div><div>Project Team</div><div> Washington State Department of Transportation</div></div>		I-405		FC1	
TIME 12:11:04 PM								SR 520 TO SR 522											
DATE 7/13/2005																			
PLOTTED BY chriss																			
DESIGNED BY J. NELSON																			
ENTERED BY X. BERMUDEZ																			
CHECKED BY W. TAYLOR																			
PROJ. ENGR. K. HENRY																			
REGIONAL ADM. D. DYE																			

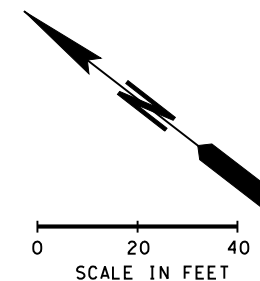
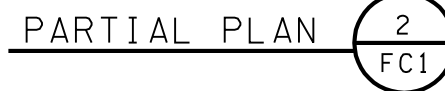
1. FORBES CREEK ENHANCED SURVEY AREA.



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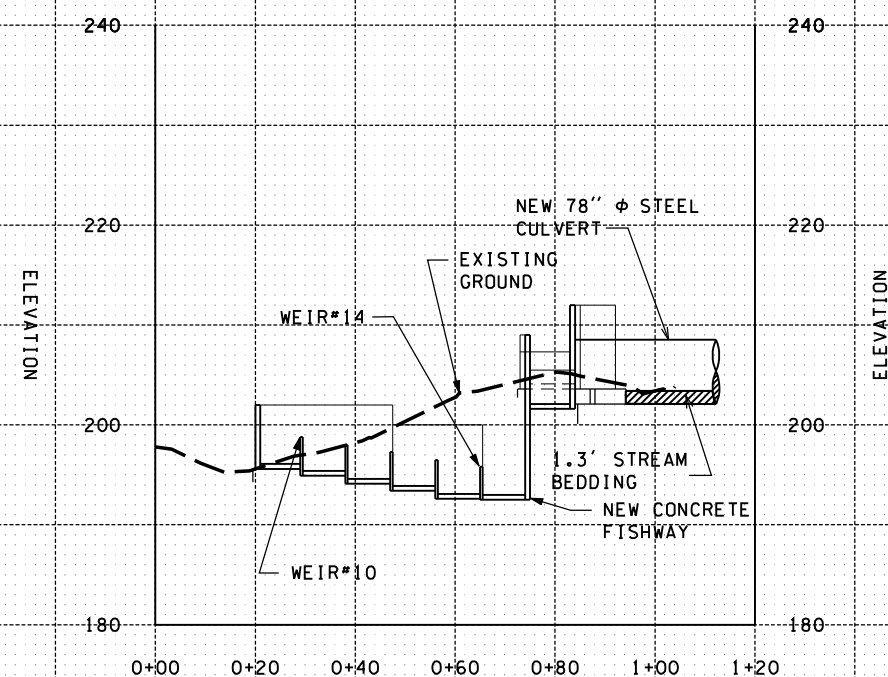
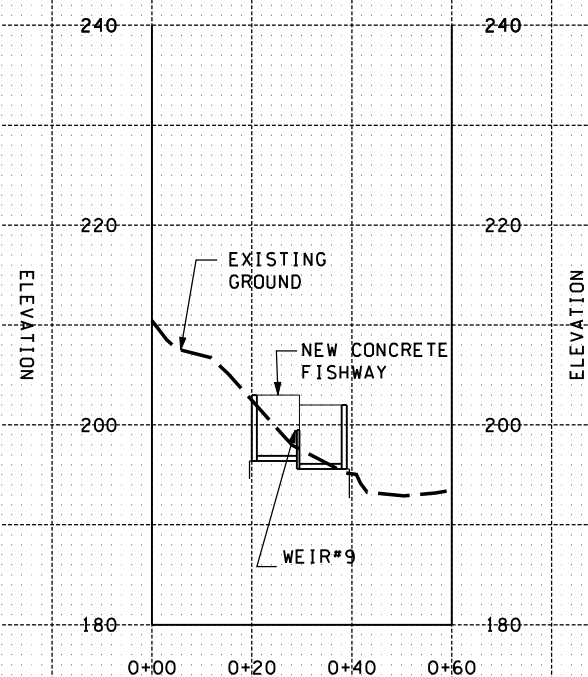
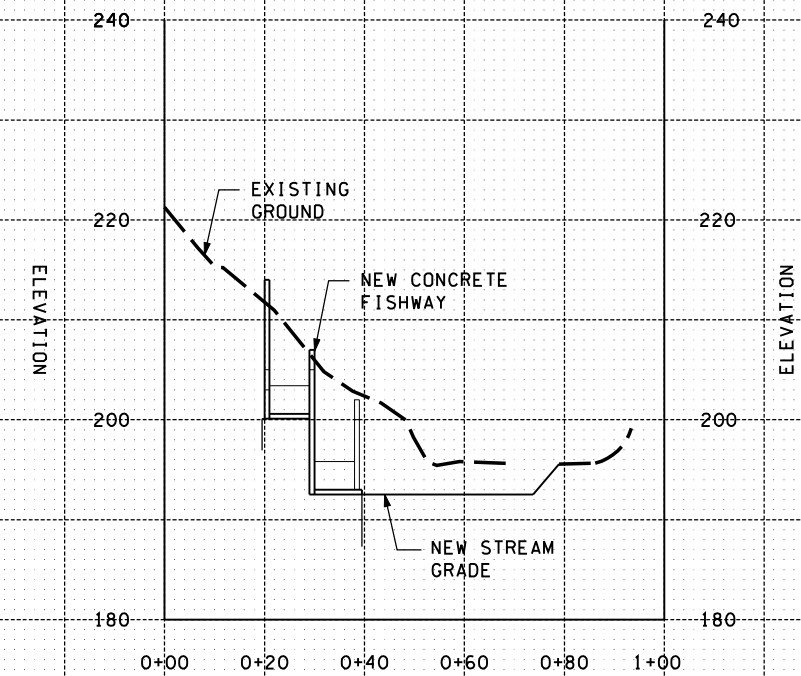
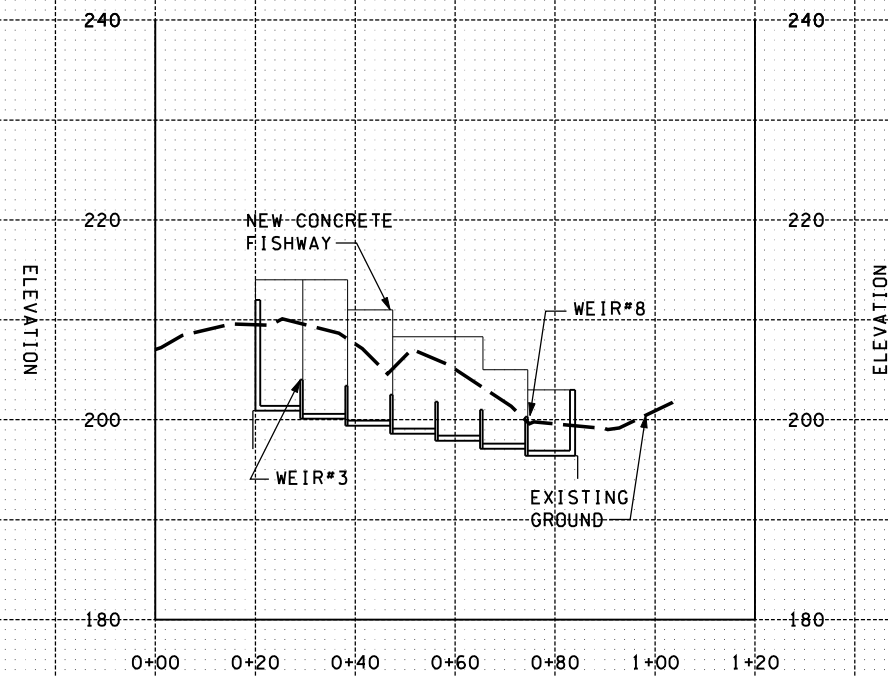
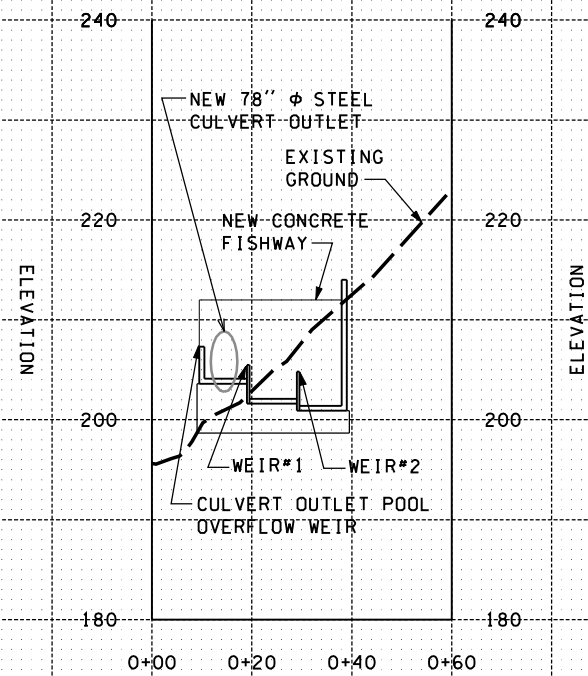
[illegible]

2. GEOTECHNICAL INFORMATION AVAILABLE FOR DESIGN AND CONSTRUCTION OF NEW CULVERT IN APPENDIX G4. ADDITIONAL GEOTECHNICAL DATA WILL BE REQUIRED TO COMPLETE THE DESIGN.



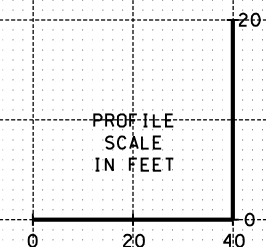
JULY 15, 2005
RFP CONCEPTUAL PLANS

[illegible]




# FORBES CREEK FISHWAY STRUCTURE

WEIR #	POOL #	SILL ELEV	POOL FLOOR ELEV
	CULVERT OUTLET		204.09
1	1	205.54	202.14
2	2	204.79	201.39
3	3	204.04	200.64
4	4	203.29	199.89
5	5	202.54	199.14
6	6	201.79	198.39
7	7	201.04	197.64
8	8	200.29	196.89
9	9	199.54	196.14
10	10	198.79	195.39
11	11	198.04	194.64
12	12	197.29	193.89
13	13	196.54	193.14
14		195.79	

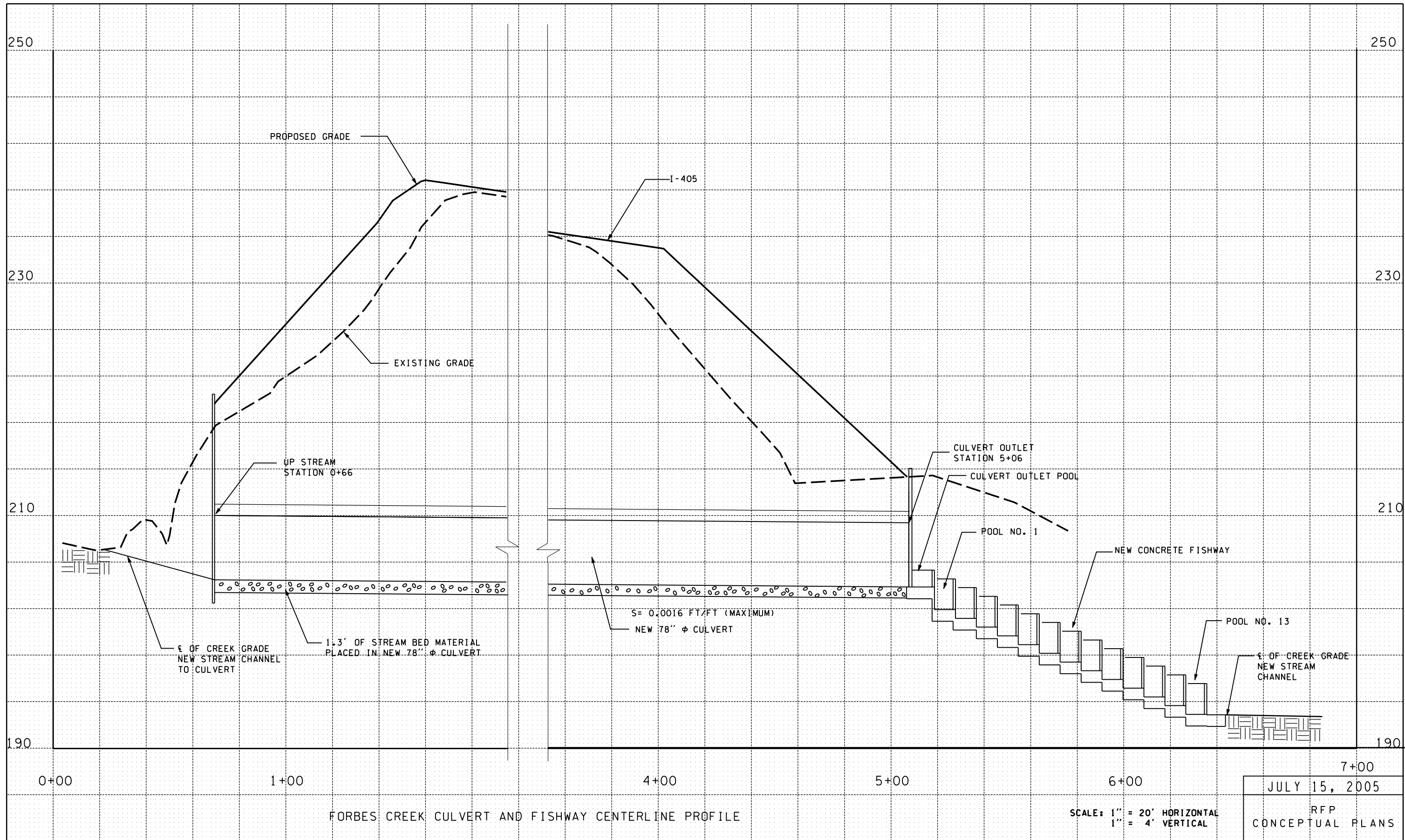



JULY 15, 2005

RFP  
CONCEPTUAL PLANS

FILE NAME PW:\Engineering\003\drawings\sheets\3ps191a192f_fc004.dgn										<div style="display: flex; justify-content: space-around;"> <div> P.E. STAMP BOX DATE </div> <div> P.E. STAMP BOX DATE </div> </div>				<div style="text-align: center;"> <b>I-405</b>  <b>SR 520 TO SR 522</b>    <b>STAGE 1</b> </div>		<div style="text-align: center;"> <b>FORBES CREEK CULVERT &amp; FISHWAY-SECTIONS</b> </div>		<div style="text-align: center;"> <b>FC4</b>    SHEET 7-9 OF 80 SHEETS </div>	
TIME 12:12:39 PM DATE 7/13/2005 PLOTTED BY chriss DESIGNED BY J. NELSON ENTERED BY M. BERMUDEZ CHECKED BY W. TAYLOR PROJ. ENGR. K. HENRY REGIONAL ADM. D. DYE																			
				REGION NO. 10 JOB NUMBER 	STATE WASH 	FED.AID PROJ.NO. 													
				CONTRACT NO. 		LOCATION NO. 													
REVISION				DATE		BY													





FILE NAME PW:\Engineering\003\drawings\sheets\3ps191a192f_fc005.dgn				REGION NO. 10		STATE WASH		FED.AID PROJ.NO.		DATE		P.E. STAMP BOX		DATE		P.E. STAMP BOX				I-405		FC5	
TIME 12:13:10 PM		DATE 7/13/2005		PLOTTED BY chriss		DESIGNED BY J. NELSON		ENTERED BY X. BERMUDEZ												CHECKED BY W. TAYLOR		PROJ. ENGR. K. HENRY	
REVISION				DATE		BY		CONTRACT NO.		LOCATION NO.								STAGE 1		FORBES CREEK CULVERT & FISHWAY-PROFILE			